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SESSIONAL PAPERS.

VOLUME 7.

SECOND SESSION OF THE SIXTH PARLIAMENT

OF THE

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SESSION 1888.

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1. Public Accounts of Canada, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper. Estimates for the fiscal year ending 30th June, 1889; presented 1st March, 1888. Supplementary Estimates of Canada for the fiscal year ending 30th June, 1888; presented 23rd April, 1888. Supplementary Estimates of Canada for the fiscal year ending 30th June, 1889; presented 14th May, 1888—
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2. Report of the Auditor-General on Appropriation Accounts, for the year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper—
Printed for both Distribution and Sessional Papers.

CONTENTS OF VOLUME No. 3.

3. Tables of the Trade and Navigation of the Dominion of Canada, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Hon. M. Bowell—
Printed for both Distribution and Sessional Papers.

CONTENTS OF VOLUME No. 4.

4. Report of the Minister of Agriculture for the Dominion of Canada, for the calendar year 1887. Presented to the House of Commons, 27th March, 1888, by Hon. J. Carling—
Printed for both Distribution and Sessional Papers.

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4a. Report on Canadian Archives, 1887.....*Printed for both Distribution and Sessional Papers.*

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4b. Criminal Statistics for the year 1886, being an Appendix to the Report of the Minister of Agriculture for the year 1886. Presented to the House of Commons, 18th May, 1888, by Hon. J. Carling.....*Printed for both Distribution and Sessional Papers.*

4c. Abstracts of the Returns of Mortuary Statistics for the year 1887—
Printed for both Distribution and Sessional Papers.

4d. Experimental Farms. Reports of the Director, Entomologist and Botanist, Chemist, and Horticulturist, for 1887.....*Printed for both Distribution and Sessional Papers.*

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5. Twentieth Annual Report of the Department of Marine, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 13th March, 1888, by Hon. G. E. Foster—
Printed for both Distribution and Sessional Papers.

5*a*. Report of the Chairman of the Board of Steamboat Inspection, for calendar year ended 31st December, 1887..... .....*Printed for both Distribution and Sessional Papers.*

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6. Annual Report of the Department of Fisheries, Dominion of Canada, for the year 1887—
Printed for both Distribution and Sessional Papers.

6*a*. Report of the Commissioners appointed to enquire into and report upon the Lobster and Oyster Fisheries of Canada. Presented to the House of Commons, 16th March, 1888, by Hon. G. E. Foster.....*Printed for both Distribution and Sessional Papers.*

6*b*. Special Report of the Fisheries Protection Service of Canada, 1887—
Printed for both Distribution and Sessional Papers.

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7. Annual Report of the Minister of Public Works of Canada, for the fiscal year 1886-87 on the works under his control. Presented to the House of Commons, 27th February, 1888, by Sir Hector Langevin.....*Printed for both Distribution and Sessional Papers.*

7*a*. Tables showing the extent and progress of Public Works, Distances, &c., on the main routes of navigation; Railways, Telegraph Lines, &c. Inland Navigation of Canada, Ocean Rates thence to Foreign Countries, Canadian Land Routes to the seaboard. Government Railways and Telegraph Lines, &c., &c. Suez Canal and Panama Canal Routes—
Printed for both Distribution and Sessional Papers.

8. Annual Report of the Minister of Railways and Canals, for the past fiscal year, from the 1st July, 1886, to the 30th June, 1887, on the works under his control. Presented to the House of Commons, 6th March, 1888, by Hon. J. H. Pope—
Printed for both Distribution and Sessional Papers.

8*a*. Report of the Royal Commission on Railways, with Appendices, viz.: 1st. Report of Committee visiting United States. 2nd. Supplementary Report of same. 3rd. Extracts, Hadley, &c. Presented to the House of Commons, 29th February, 1888, by Hon. J. H. Pope—
Printed for both Distribution and Sessional Papers.

8*b*. Reports, Railway Statistics of Canada, and Capital, Traffic and Working Expenditure of the Railways of the Dominion, 1887. Presented to the House of Commons, 17th May, 1888, by Sir Charles Tupper.....*Printed for both Distribution and Sessional Papers.*

CONTENTS OF VOLUME No. 10.

9. Abstract of Statements of Insurance Companies in Canada for year ending 31st December, 1887. Presented to the House of Commons, 4th May, 1888, by Sir Charles Tupper—
Printed for both Distribution and Sessional Papers.

9*a*. Report of the Superintendent of Insurance, for the year ended 31st December, 1887—
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10. Annual Report of the Department of Militia and Defence of the Dominion of Canada, for the year ended 31st December, 1887. Presented to the House of Commons, 27th February, 1888, by Sir Adolphe Caron .....*Printed for both Distribution and Sessional Papers.*

11. Report of the Minister of Justice as to Penitentiaries in Canada, for the year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Hon. J. S. D. Thompson—
Printed for both Distribution and Sessional Papers.

12. Report of the Secretary of State of Canada, for the year ended 31st December, 1887. Presented to the House of Commons, 28th February, 1888, by Hon. J. A. Chapleau—
Printed for both Distribution and Sessional Papers.

12a. Annual Report of the Department of Public Printing and Stationery for the Dominion of Canada, for year ending 30th June, 1887, with partial Report for services during six months ending 31st December, 1887. Presented to the House of Commons, 13th March, 1888, by Hon. J. A. Chapleau.....*Printed for both Distribution and Sessional Papers.*

12b. Report of the Board of Examiners for the Civil Service in Canada, for the year ended 31st December, 1887.....*Printed for both Distribution and Sessional Papers.*

12c. (1887.) Report of the Antwerp International Exhibition for 1885—
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13. Annual Report of the Postmaster General for the year ended 30th June, 1887. Presented to the House of Commons, 28th February, 1888, by Hon. A. W. McLelan—
Printed for both Distribution and Sessional Papers.

14. Annual Report of the Department of the Interior for the year ended 31st December, 1887. Presented to the House of Commons, 27th February, 1888, by Hon. Thos. White—
Printed for both Distribution and Sessional Papers.

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15. Annual Report of the Department of Indian Affairs for the year ended 31st December, 1887. Presented to the House of Commons, 1st March, 1888, by Hon. Thos. White—
Printed for both Distribution and Sessional Papers.

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16. Report, Returns and Statistics of the Inland Revenues of the Dominion of Canada, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 24th February, 1888, by Hon. J. Costigan ..... *Printed for both Distribution and Sessional Papers.*

16a. Canal Statistics for season of navigation, 1886, being Supplement No. 1 to the Inland Revenue Report, for the year ended 30th June, 1887—*Printed for both Distribution and Sessional Papers.*

16b. Fourteenth Report on Inspection of Weights, Measures and Gas, being Supplement No. 2 to the Report of the Department of Inland Revenue—
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16c. Report on Adulteration of Food, being Supplement No. 3 to the Report of the Department of Inland Revenue .....*Printed for both Distribution and Sessional Papers.*

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17. List of Shareholders in the Chartered Banks of the Dominion of Canada, as on the 31st December, 1887. Presented to the House of Commons, 14th March, 1888, by the Hon. M. Bowell—
Printed for both Distribution and Sessional Papers.

18. The Civil Service List of Canada, on the 1st July, 1887, pursuant to section 59 of "The Civil Service Act." Presented to the House of Commons, 15th March, 1888, by Hon. J. A. Chapleau—
Printed for both Distribution and Sessional Papers.

20. Report of the Joint Librarians of Parliament on the state of the Library of Parliament. Presented to the House of Commons, 23rd February, 1888, by Hon. Mr. Speaker—
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21. Correspondence, Reports of the Minister of Justice, and Orders in Council upon the subject of Provincial Legislation, 1884 to 1887.....*Printed for both Distribution and Sessional Papers.*

22. Statement of Governor General's Warrants issued since last Session of Parliament, and Expenditure incurred on account of same, in accordance with the Consolidated Revenue and Audit Act, section 32, clause *b*. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper.....*Not printed.*

23. Statement of Expenditure on account of Miscellaneous Unforeseen Expenses for the fiscal year 1887-88. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper—
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24. Report of the Commissioner, Dominion Police, under Revised Statutes of Canada, chapter 184, section 5. Presented to the House of Commons, 27th February, 1888, by Hon J. S. D. Thompson.....*Not printed.*

24*a*. Return of the average number of men employed on the Dominion Police Force during each month of the year 1887, and of their pay and travelling expenses (under Revised Statutes of Canada, chapter 184, section 5). Presented to the Senate, 27th February, 1888, by Hon. Mr. Abbott.....*Not printed.*

25. Return to an Order of the House of Commons, dated 6th May, 1887, for a Return of lands sold by the Canadian Pacific Railway Company up to 1st April, 1887, in the North-West Territories; when sold, and to whom. Presented to the House of Commons, 28th February, 1888.—*Mr. Perley (Assiniboia)*.....*Not printed.*

25*a*. Return (*in part*) under Resolution of the House of Commons, passed on the 20th February, 1882, on all subjects affecting the Canadian Pacific Railway, respecting details as to: 1. The selection of the route. 2. The progress of the work. 3. The selection or reservation of land. 4. The payment of moneys. 5. The laying out of branches. 6. The progress thereon. 7. The rates of tolls for passengers and freight. 8. The particulars required by the Consolidated Railway Act and amendments thereto, up to the end of the previous fiscal year. 9. Like particulars up to the latest practicable date before the presentation of the Return. 10. Copies of all Orders in Council and of all correspondence between the Government and the railway company, or any member or officer of either, relating to the affairs of the company. Presented to the House of Commons, 8th March, 1888, by Hon. Thos. White.....*Printed for Sessional Papers only.*

25*b*. Supplementary Return under Resolution of the House of Commons, passed on the 20th February, 1882, on all subjects affecting the Canadian Pacific Railway, respecting details as to: 1. The selection of the route. 2. The progress of the work. 3. The selection or reservation of land. 4. The payment of moneys. 5. The laying out of branches. 6. The progress thereon. 7. The rates of tolls for passengers and freight 8. The particulars required by the Consolidated Railway Act and amendments thereto, up to the end of the previous fiscal year. 9. Like particulars up to the latest practicable date before the presentation of the Return. 10. Copies of all Orders in Council and of all correspondence between the Government and the railway company, or any member or officer of either, relating to the affairs of the company. Presented to the House of Commons, 19th March, 1888, by Hon. Thos. White—
Printed for Sessional Papers only.

26. Return to an Address of the House of Commons to His Excellency the Governor General, dated 6th June, 1887, for copies of the Order in Council appointing Louis Boisvert lighthouse keeper at Grondines, in the place of E. Trottier; and copies of all correspondence recommending Charles N. Trottier for this position. Presented to the House of Commons, 28th February, 1888.—*Mr. De St. Georges*.....*Not printed.*

27. Return to an Order of the House of Commons, dated 27th April, 1887, for a statement setting forth the number of stills seized by the Department of Inland Revenue for the years 1878, '79, '80, '81, '82, '83, '84, '85 and '86, respectively, and the first three months of the year 1887; the names of the persons on whose premises the stills were seized; the names of the informers and the sums paid to each; also statement of the cost of effecting such seizures, and the receipts accruing from all sales of such stills. Also Return to an Order of the House of Commons, dated 27th April, 1887, for a statement showing all seizures effected in Canada for illegal sale of tobacco for each year since 1878 up to 1st March, 1887, inclusive; the names of the persons on whose premises the seizures were made, the amounts realized on such seizures by sale or otherwise, and the expense of making the seizures. Presented to the House of Commons, 28th February, 1888.—*Mr. Rinfret*.....*Not printed.*

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28. Report of the Commissioner of the North-West Mounted Police Force, 1887. Presented to the House of Commons, 3rd April, 1888, by Sir John A. Macdonald.
Printed for both Distribution and Sessional Papers.

29. Return to an Order of the House of Commons, dated 6th June, 1887, for a Return giving the following details of the expenditure connected with the support of the Marine and Immigrant Hospital in the city of Quebec, during the term of years from the date of Confederation to June 30th, 1886, and showing: 1. The aggregate amount voted by Parliament for the maintenance of this hospital during the said term of years. 2. The amount actually expended. 3. The number of persons, other than sick mariners, who received hospital care there during the said term. 4. The aggregate number of days of hospital treatment accorded to them. 5. The number of sick mariners who received hospital care during the same term. 6. The number of days of hospital treatment accorded to them. 7. The average cost per patient per diem of both classes of patients during said term. 8. The price per patient per diem paid to the Montreal General Hospital for the care of sick seamen during the same years—1867-1886. 9. The aggregate amount that has been charged during the said term of years to the fund for the relief of sick and distressed mariners, as for expenditure in connection with this Quebec Hospital, by virtue of the Act 31 Victoria, chapter 64, section 12 (now 40 Victoria, chapter 76, section 16). Presented to the House of Commons, 29th February, 1888.—*Mr. Hickey* ..... *Not printed.*

30. Report of the Royal Commission on the Leasing of Water Power, Lachine Canal. Presented to the House of Commons, 2nd March, 1888, by Hon. J. H. Pope.....*Not printed.*

30a. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 5th March, 1888, for a Return of copies of all correspondence between the Government of Canada and the commissioners appointed by the Government to take evidence and acquire information relative to the Trent Valley Canal, and the further progress thereof; of copies of all instructions authorizing the commissioners to act in the premises, and defining their powers and authority and mode of procedure; and of a copy of any and all reports of the engineer or engineers in charge of the works of said canal, made to the Government since the last session of this Parliament. Presented to the House of Commons, 13th April, 1888.—*Mr. Barron*..... *Not printed.*

30b. Return to an Address of the Senate, to His Excellency the Governor General, dated 22nd March, 1888, for a detailed statement of all moneys paid to A. F. Wood, Esq., of Madoc, for services and expenses in connection with his office as valuator or otherwise in connection with the Trent Valley Canal, from the date of his appointment down to the 1st January, 1888. Also a detailed statement of all moneys paid him for services and expenses in connection with his services on the Murray Canal, from 1st December, 1883, to 1st January, 1888, in order to complete the full return of moneys paid him for services in connection with the return asked for at last session. Presented to the Senate, 18th April, 1888.—*Hon. Mr. Flint*.....*Not printed.*

31. Return to an Address of the Senate, to His Excellency the Governor General, dated 17th June, 1887, for copies of all complaints which have been made by the authorities of the St. Vincent de Paul Penitentiary, since the 24th April, 1886, against Adolphe Lefaivre, formerly an employé of the penitentiary; as also of all reports which the Inspector may have made since the same date against the said Lefaivre, together with copies of the decisions which the Honorable the Minister of Justice may have given upon these reports and complaints. Presented to the Senate, 29th February, 1888.—*Hon. Mr. Bellerose* .....*Not printed.*

32. Return to an Order of the House of Commons, dated 29th February, 1888, for a Statement of the Receipts and Expenditure, in detail, chargeable to the Consolidated Fund, from the 1st day of July, 1887, to the 1st day of March, 1888, and from the 1st day of July, 1886, to the 1st day of March, 1887. Presented to the House of Commons, 5th March, 1888.—*Sir Richard Cartwright.*—*Not printed.*

33. Statement of all superannuations and retiring allowances in the Civil Service, giving the name and rank of each person superannuated, or retired, his salary, age and length of service, his allowance and cause of retirement, and whether the vacancy has been filled by promotion or new appointment, &c., for the year ended 31st December, 1887. Presented to the House of Commons, 5th March, 1888, by Sir Charles Tupper.....*Printed for Sessional Papers only.*

34. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of petitions presented from time to time and supported by the several transatlantic steamship companies and other persons, praying for the building of a breakwater at Pointe aux Pères. Presented to the House of Commons, 6th March, 1888.—*Mr. Fiset*.....*Not printed.*

34a. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all surveys, reports and correspondence in connection with the L'Ardoise Breakwater, in the county of Richmond, N.S. Presented to the House of Commons, 13th March, 1888.—*Mr. Flynn*—*Not printed.*

34*b*. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all correspondence and telegrams, since 31st December last, relating to the construction or repair of breakwaters or piers at Scott's Bay, Horton Landing and Boot Island, in King's County, Nova Scotia; and also of all instructions to an engineer of the Department of Public Works, who visited said localities during the months of January and February last, with his reports thereon. Presented to the House of Commons, 4th April, 1888.—*Mr. Borden* ..... *Not printed.*

34*c*. Return to an Order of the House of Commons, dated 9th April, 1888, for copy of report of the Chief Engineer on the breakwater at Bay Fortune, King's County, Prince Edward Island, with a view to its extension; together with copies of all petitions, letters, &c., in relation thereto. Presented to the House of Commons, 30th April, 1888.—*Mr. McIntyre* ..... *Not printed.*

34*d*. Return to an Address of the House of Commons to His Excellency the Governor General, dated 6th June, 1887, for copies of all Orders in Council, or other documents, granting a power to construct any bridge, dam, breakwater, or other obstructions in the Rideau River, from its mouth to its source. Presented to the House of Commons, 14th May, 1888.—*Mr. Robillard*—
Not printed.

35. Return of the names and salaries of all persons appointed to or promoted in the Civil Service during the year 1887, specifying the office to which each has been appointed or promoted. Section 58, sub-section 2, "Civil Service Act." Presented to the House of Commons, 6th March, 1888, by Hon. J. A. Chapleau ..... *Printed for Sessional Papers only.*

36. Copy of the Fishery Treaty between Great Britain and the United States, in relation to the fisheries of Canada and Newfoundland, signed at Washington on the fifteenth day of February, 1888; and the protocols of the various conferences, together with the protocols from the British plenipotentiaries offering to make a temporary arrangement for a period not exceeding two years in order to afford a *modus vivendi* pending the ratification of the treaty, and the protocol of the American plenipotentiaries expressing their satisfaction with the *modus vivendi* communicated by the British plenipotentiaries. Presented to the House of Commons, 7th March, 1888, by Sir Charles Tupper ..... *Printed for Sessional Papers only.*

36*a*. Copy of the statement presented by the British plenipotentiaries to the Fisheries Commission at Washington, in relation to reciprocal trade relations between Canada and the United States, and the answer of the American plenipotentiaries thereto. Presented to the House of Commons, 7th March, 1888, by Sir Charles Tupper ..... *Printed for Sessional Papers only.*

36*b*. Two communications in relation to the Fisheries Question—one, written "personally and unofficially," by the Hon. T. B. Bayard, Secretary of State, Washington, U.S., and dated the 31st May, 1887, and addressed to Sir Charles Tupper; and the other, the reply of Sir Charles to Mr. Bayard, also marked "personal and unofficial," and dated the 6th June, 1887. Presented to the House of Commons, 9th March, 1888, by Sir Charles Tupper—
Printed for both Distribution and Sessional Papers.

36*c*. Despatches and Documents having reference to the Fisheries Question. Presented to the House of Commons, 12th April, 1888, by Hon. G. E. Foster—
Printed for both Distribution and Sessional Papers.

37. Detailed statement of all Bonds and Securities registered in the Department of the Secretary of State of Canada, submitted to the Parliament of Canada under section 23, chapter 19, of the "Revised Statutes of Canada." Presented to the House of Commons, 7th March, 1888, by Hon. J. A. Chapleau ..... *Not printed.*

38. List of Public Officers to whom Commissions have issued during the year 1887, under the provisions of chapter 19 of the "Revised Statutes of Canada," and submitted to the Parliament of Canada under section 2 of the said Act. Presented to the House of Commons, 7th March, 1888, by Hon. J. A. Chapleau ..... *Not printed.*

39. Annual Report (new series) of the Geological and Natural History Survey of Canada, Volume II, 1886. Presented to the House of Commons, 23rd March, 1888, by Hon. Thos. White—
Printed for Distribution only.

40. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 5th March, 1888, for copy of all reports of the commissioners appointed by Royal Commission to enquire into the losses sustained in the North-West Territories during the recent rebellion, and a statement of all payments made under the recommendation of such reports. Presented to the House of Commons, 8th March, 1888.—*Hon. Mr. Laurier* ..... *Not printed.*

40a. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return showing the total amount of money disbursed by the Government in consequence of the North-West Rebellion. Presented to the House of Commons, 25th April, 1888.—*Mr. Mulock*.....*Not printed.*

40b. Memorial of the Lieutenant-Governor of the North-West Territories in Council, to His Excellency the Governor General in Council, praying for the introduction of a new method of legislation in the North-West Territories. Presented to the House of Commons, 7th May, 1888, by Sir John A. Macdonald.....*Not printed.*

40c. Return to an Order of the House of Commons, dated 5th March, 1888, for a Return showing the names and residences of each homestead inspector in Manitoba and the North-West; the number of inspections and reports made by each, in each month of the years 1882 '83, '84, '85, '86 and '87. 2. The name of each colonization inspector, his residence, the number of inspections and reports made by each, in each month of the years 1882, '83, '84, '85, '86 and '87, and copies of said reports. Presented to the House of Commons, 19th May, 1888.—*Mr. Watson*—*Not printed.*

40d. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return giving the names and dates of the appointment of each colonization inspector and homestead inspector in the North-West Territories, including Manitoba; the salary paid to each, also the travelling expenses per diem or month; the full amount for salary and travelling or other expenses paid to each from the date of his engagement up to the 1st of January, 1888. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*..... *Not printed.*

40e. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all lessees of grazing lands under old form of leases. 2. The number of these who have fully complied with the terms of the leases. 3. The number who have partially complied, showing to what extent. 4. The number in arrears for rent, showing to what extent. 5. The number of old leases now entirely unoccupied. Presented to the House of Commons, 19th May, 1888.—*Mr. Davis*.....*Not printed.*

40f. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return giving: 1. The names of all leaseholders in the district of Alberta, North-West Territories. The number of cattle each have on their lease. The date of each latest return, showing the number. 2. Showing whether any are in arrears for rent. 3. Whether the land under lease is good agricultural land. 4. What, if any, return has been made of the loss and suffering of cattle during the winter of 1886-87 in this district. Presented to the House of Commons, 19th May, 1888.—*Sir Richard Cartwright*.....*Not printed.*

40g. Return to an Order of the House of Commons, dated 9th April, 1888, for a Return containing copies of all letters, correspondence, affidavits, &c., connected with the location and sale or settlement of N. ½, section 16, township 24, range 29, west, 4th meridian, North-West Territory. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*.....*Not printed.*

40h. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return showing the number of Colonization Companies now in existence in Manitoba and the North-West, the number of settlers they have put on their lands during the years 1885-86-87, the amount of money paid by the several companies on account of lands purchased from the Crown during the same period, the amount of money paid to the Crown on account of purchase of land from the Crown by all other parties during the same years. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*..... *Printed for Sessional Papers only.*

40i. Return to an Order of the House of Commons, dated 1st March, 1888, to issue to the proper officer for a return giving copy of instructions to Dominion Land Agents in Manitoba and the North-West, regarding instructions furnished to intending settlers free of charge, and a copy of instructions as to information for which a fee is imposed; the amount of fees received at the several offices during the years 1885-86 and 1887, for such information; the amount of all fees collected from intending settlers during those years, and for which no credit was given in their purchase of Dominion lands. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*.....*Not printed.*

41. Return to an Order of the House of Commons, dated 25th April, 1887, for a Return of a copy of the lease from R. T. Wilson to the Dominion Government of the new public offices for the town of Dundas, in the county of Wentworth; report of the Post Office Inspector respecting the present and new post offices; also copies of petitions, correspondence and all other papers relating to the removal of the post office. Presented to the House of Commons, 8th March, 1888.—*Mr. Bain (Wentworth)*.....*Not printed.*

42. Return to an Order of the House of Commons, dated 6th June, 1887, for a copy of the contract with D. A. Duffy for the erection of the new wing of the penitentiary at Dorchester; also any claims or applications made for extras, and also any recommendations for allowance of such claims or any of them, and also all correspondence between the contractor and the Department of Public Works. Presented to the House of Commons, 8th March, 1888.—*Mr. Weldon (St. John)*—*Not printed.*

43. Return to an Order of the House of Commons, dated 27th April, 1887, for copies of all papers, documents, correspondence, &c., in relation to the building of a post office in the town of Montmagny, in the county of Montmagny. Presented to the House of Commons, 8th March, 1888.—*Mr. Choquette*.....*Not printed.*

43*a*. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all correspondence in connection with the purchase of a site for the erection of a post office and custom house in the town of Arichat. Presented to the House of Commons, 8th March, 1888.—*Mr. Flynn*—*Not printed.*

43*b*. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of all reports, correspondence, petitions or documents relating to the proposed permanent building of a post office and custom house at Strathroy, including any recommendations made respecting its location, character, cost, &c. Presented to the House of Commons, 20th April, 1888.—*Mr. McMullen*.....*Not printed.*

43*c*. Return to an Order of the House of Commons, dated 9th April, 1888, for copies of all letters, memoranda, and other documents, respecting the building of the public edifices at the city of St. Hyacinthe—such as the post office and the customs warehouse, &c. Presented to the House of Commons, 1st May, 1888.—*Mr. Dupont*.....*Not printed.*

43*d*. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all correspondence and petitions respecting the construction of building for post office, customs office and inland revenue office in the town of Picton. Presented to the House of Commons, 8th May, 1888.—*Mr. Platt*.....*Not printed.*

44. Return of statement of Dominion Statutes of Canada sold and officially distributed during the last two years, in terms of section 14 of chapter 2 of the Revised Statutes of Canada. Presented to the House of Commons, 13th March, 1888, by Hon. J. A. Chapleau.....*Not printed.*

45. Return to an Order of the House of Commons, dated 29th February, 1888, for a Return in the form used in the statements usually published in the *Gazette*, of the exports and imports from the 1st day of July, 1887, to the 1st day of March, 1888, distinguishing the products of Canada and those of other countries. Presented to the House of Commons, 14th March, 1888.—*Sir Richard Cartwright*.....*Not printed.*

46. Return of new rules and procedure of "the Exchequer Court of Canada," in terms of sections 55 and 56 of chapter 16—50-51 Victoria. Presented to the House of Commons, 19th March, 1888, by Hon. J. A. Chapleau.....*Not printed.*

46*a*. Return in terms of section 109 of the Supreme and Exchequer Court Act, Revised Statutes of Canada, chapter 135, with reference to General Order No. 83 which has been made by the Judges of the Supreme Court of Canada during the past year. Presented to the House of Commons, 4th April, 1888, by Hon. J. A. Chapleau.....*Not printed.*

46*b*. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return showing the names of all retired judges of superior courts of law or equity in the Dominion of Canada, with the dates of their respective patents, and a copy of the last patent issued to a retired judge of the Superior Court. Presented to the House of Commons, 9th April, 1888.—*Mr. Small*.....*Not printed.*

47. Return of the Collingwood Marine and General Hospital, for the year 1887. Presented to the House of Commons, 19th May, 1888, by Hon. Mr. Speaker.....*Not printed.*

48. Statement of the affairs of the British Canadian Loan and Investment Company, on 31st December, 1886. Presented to the House of Commons, 19th May, 1888, by Hon. Mr. Speaker—*Not printed.*

49. Return to an Address of the Senate to His Excellency the Governor General, dated 1st March, 1888, praying for a copy of letters signed Jos. H. Bellerose, addressed to the Minister of Justice on the 27th and 28th November, 1887, with the replies thereto in connection with the destruction by fire of the property of Mr. Louis Guimond, of St. Vincent de Paul; also a copy of the

evidence taken in this matter and of the report made by the Inspector of Penitentiaries after inquiry made and the facts mentioned in the said letters. Presented to the Senate, 21st March, 1888.—*Hon. Mr. Bellerose*.....*Not printed.*

49a. Return to an Address of the Senate to His Excellency the Governor General, dated 18th April, 1888, for copy of a letter of the 31st March last from the Honorable Joseph Bellerose, *in re* the burning of Mr. Louis Guimond's property at St. Vincent de Paul; also copy of a letter of James Devlin, Engineer, on the same subject; also copy of the different solemn declarations accompanying the above mentioned letters, and all other documents in correspondence relating to the same subject. Presented to the Senate, 21st May, 1888.—*Hon. Mr. Bellerose*...*Not printed.*

50. Return to an Order of the House of Commons, dated 2nd May, 1887, for a Return showing the names of all the parties who tendered for carrying the mails to and from the board ice at Cape Traverse, Prince Edward Island; the amount of each tender, and to whom contract given. Presented to the House of Commons, 21st March, 1888.—*Mr. Perry*.....*Not printed.*

51. Return to an Address of the House of Commons to His Excellency the Governor General, dated 5th March, 1888, for a Return showing copies of all applications, letters or other communications to the Government, or any department or minister, or any reports, in connection with the application on behalf of the York-Simcoe Battalion for kit allowance whilst on service in the North-West Territories, and of replies thereto. Presented to the House of Commons, 21st March, 1888.—*Mr. Mulock*.....*Not printed.*

52. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 1st March, 1888, for copies of regulations made by the Governor in Council respecting the registry of trade unions. Presented to the House of Commons, 28th March, 1888.—*Mr. Amyot*—*Not printed.*

53. Copies of despatches from Sir L. West to Lord Lansdowne; and from Sir L. West to Lord Salisbury; and also a certified copy of a Report of a Committee of the Honorable the Privy Council, approved by His Excellency the Governor General in Council, relative to the admission of certain articles free of duty when it appears to the satisfaction of the Governor in Council that similar articles from Canada may be imported into the United States free of duty. Presented to the House of Commons, 6th April, 1888, by Sir Charles Tupper....*Printed for Sessional Papers only.*

54. Return to an Order of the House of Commons, dated 28th March, 1888, for a copy of Mr. Parmelee's report to the Honorable Minister of Customs regarding the desirability of making Kamloops an outport of entry. Presented to the House of Commons, 9th April, 1888.—*Mr. Mara*...*Not printed.*

55. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return showing the date the steamer *Northern Light* commenced running between Prince Edward Island and Pictou, Nova Scotia; the number of trips made; the number of passengers crossed, and the date of last trip made up to date. Presented to the House of Commons, 10th April, 1888.—*Mr. Perry*—*Not printed.*

55a. Return to an Order of the House of Commons, dated 29th February, 1888, for a Return showing the names and salaries of all captains in charge of Government steamers, together with the salaries and allowances at present payable to and received by them, together with all petitions, correspondence, telegrams, &c, relative to the pay of the captain of the *Northern Light*, since 1st January, 1879; also for a Return showing the names and number of men employed in or about the *Northern Light* during last summer, from the time she ceased running in the spring of 1887, until she again resumed in the autumn of the same year. Presented to the House of Commons, 10th April, 1888.—*Mr. Welsh*.....*Not printed.*

55b. Supplementary Return to an Order of the House of Commons, dated 29th February, 1888, for a Return giving the names and number of men employed in or about the *Northern Light* during last summer, from the time she ceased running in the spring of 1887, until she again resumed in the autumn of same year. Presented to the House of Commons, 9th May, 1888.—*Mr. Welsh.*—*Not printed.*

56. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return showing the total amount of money paid out by the Government in connection with the Liquor License Act. Presented to the House of Commons, 10th April, 1888.—*Mr. Mulock*.....*Not printed.*

57. Return to an Order of the House of Commons, dated 6th June, 1887, for a statement showing the amount of the sums expended since 1867, for repairs and improvements on the wharf at St. Jérôme de Matane. Presented to the House of Commons, 10th April, 1888.—*Mr. Fiset*.....*Not printed.*

58. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return of the railway accidents which were reported to the Government during 1886, and in respect of which actions are not now pending. Presented to the House of Commons, 12th April, 1888.—*Mr. Denison.*—*Not printed.*

58*a*. Return to an Order of the House of Commons, dated 8th March, 1888, for a Return showing the amount voted each session since 1880 for subsidies to railways, also the amount to each province, and the amount that has been paid. Presented to the House of Commons, 13th April, 1888.—*Mr. Semple* ..... *Not printed.*

58*b*. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 9th April, 1888, for copies of all correspondence exchanged with the Imperial Government concerning the disallowance of the Railways Acts of Manitoba. Presented to the House of Commons, 17th April, 1888.—*Mr. Laurier* ..... *Printed for both Distribution and Sessional Papers.*

58*c*. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all correspondence, reports, &c., between Mr. Allan Knight and the Government; also the Railway Department and any of its officers, in relation to damages sustained by him in connection with the Derby Branch Railway, in the county of Northumberland, New Brunswick. Presented to the House of Commons, 2nd May, 1888.—*Mr. Jones* (*Halifax*) ..... *Not printed.*

58*d*. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 6th June, 1887, for copies of railway surveys from the Strait of Canso to Sydney *viâ* Grand Narrows, and from the Strait of Canso to Louisbourg *viâ* St. Peter's, during the summer of 1885, with the estimated cost of both lines. Also copies of surveys from Grand Narrows *viâ* Boisdale to North Sydney and Sydney. Also copies of surveys between East Bay and St. Peter's; copies of reports and surveys between Sydney and Loch Lomond *viâ* the Mira and Salmon River Valley, in the year 1886; copies of all telegrams to the Department of Railways during the time of the surveys. Also a copy of Minute of Council adopting the Grand Narrows route *viâ* Boisdale to North and South Sydney, with the engineer's report on the crossing of the Grand Narrows. Also a copy of all statements and arguments laid before the Government against the Grand Narrows route by the Cape Breton delegation in January last; and also a statement showing the particular route advocated by the said delegation. Presented to the House of Commons, 4th May, 1888.—*Mr. Flynn* and *Mr. McDougall* (*Cape Breton*) ..... *Not printed.*

58*e*. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all claims presented to the Department of Railways for lands expropriated for the construction of the St. Charles Branch Railway in the county of Lévis; also a statement showing the amount of each claim, the names of those whose claims have been settled up to 1st April, 1887, and the amount awarded to them, and the names of those whose claims are still pending. Presented to the House of Commons, 11th May, 1888.—*Mr. Guay* ..... *Not printed.*

58*f*. Return to an Order of the House of Commons, dated 30th April, 1888, for copies of all correspondence between the Department of Railways and Messrs. A. Pion & Co., of Quebec, in relation to a claim for goods damaged on the Intercolonial Railway. Presented to the House of Commons, 11th May, 1888.—*Mr. Langelier* (*Quebec Centre*) ..... *Not printed.*

58*g*. Return to an Order of the House of Commons, dated 18th April, 1888, for copies of correspondence between the Government, or any member thereof, and the municipal councils of the counties of Pictou, Antigonish and Guysboro', Nova Scotia, and any other persons; together with copies of resolutions passed by the said municipal councils relative to the repayment by the Government of moneys paid by the said municipal counties for the right of way for the Eastern Extension Railway, now owned by and in possession of the Government. Presented to the House of Commons, 15th May, 1888.—*Mr. Kirk* ..... *Not printed.*

58*h*. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all papers, writings and reports between Mr. Allan Bryanton and the Government of Canada, or anyone on his behalf, or between the officers of the Government and him or anyone on his behalf, or between the Government and their officers, in relation to the placing of a platform and switch near his place on the line of the Derby Branch Railway, in the county of Northumberland, N.B. Presented to the House of Commons, 15th May, 1888.—*Mr. Jones* (*Halifax*) ..... *Not printed.*

58*i*. Return to an Order of the House of Commons, dated 16th April, 1888, for all correspondence between Mr. Albert Bryanton and the Railway Department and any of its officers, and anyone on his behalf; also all reports and instructions between said Department and its officers in reference to the placing of a switch and platform at said Bryanton's, on the Derby Branch Railway, in the

county of Northumberland, New Brunswick. Presented to the House of Commons, 15th May, 1888.—*Mr. Jones (Halifax)*.....*Not printed.*

58*j*. Papers, correspondence, &c., respecting subsidies to certain railway companies, and towards the construction of certain railways as follow: Quebec Central Railway; Quebec and Lake St. John Railway; Pontiac and Pacific Junction Railway; Montreal and Champlain Junction Railway; Port Arthur, Duluth and Western Railway; and Témiscouata Railway Company. Presented to the House of Commons, 18th May, 1888, by Sir Charles Tupper ..... *Not printed.*

58*k*. Return (in part) to an Order of the House of Commons, dated 9th April, 1888, for copies of all papers, documents, telegrams and correspondence as to the incorporation of the Great North-West Central Railway Company, or relating to any land grant thereto, or to the construction of the line of the said railway or any part thereof. Presented to the House of Commons, 19th May, 1888.—*Mr. Edgar*..... *Not printed.*

58*l*. Return (in part) to an Order of the House of Commons, dated 9th April, 1888, for copies of all papers, documents, telegrams and correspondence in connection with the land grant to the Souris and Rocky Mountain Railway Company, or relating to the construction of said railway. Presented to the House of Commons, 19th May, 1888.—*Mr. Edgar*..... *Not printed.*

58*m*. Return (in part) to an Order of the House of Commons, dated 9th April, 1888, for copies of all papers, documents, telegrams and correspondence in connection with the land grant to the North-West Central Railway Company, or relating to the construction of the said railway. Presented to the House of Commons, 19th May, 1888.—*Mr. Edgar*..... *Not printed.*

58*n*. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all correspondence, reports, &c., between Mr. John Knight and the Government; also with the Railway Department and any of its officers, in relation to damages sustained by him in connection with the Derby Branch Railway, in the county of Northumberland, New Brunswick. Presented to the House of Commons, 22nd May, 1888.—*Mr. Jones (Halifax)*..... *Not printed.*

58*o*. Return to an Order of the House of Commons, dated 16th April, 1888, for all correspondence between Mr. Samuel Russell and the Government of the Dominion, or of any of its officers, with all communications and reports from such officer or officers, in reference to a claim for damages to his property in connection with the Derby Branch Railway, in the county of Northumberland, N.B. Presented to the House of Commons, 22nd May, 1888.—*Mr. Jones (Halifax)*... *Not printed.*

58*p*. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all correspondence, reports, &c., between Mr. Patrick Clancy and the Government or any of its officers; also with the Railway Department and any of its officers, in relation to damages sustained by him in connection with the Derby Branch Railway, in the county of Northumberland, New Brunswick. Presented to the House of Commons, 22nd May, 1888.—*Mr. Jones (Halifax)*.....*Not printed.*

59. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return showing the quantity of rolling stock purchased for the Intercolonial Railway during the last six months ending 31st December, 1887, giving each kind of rolling stock, and whether purchased under contract or otherwise, the parties from whom bought and the cost of each kind; also a statement of what has been built in Government workshops. Presented to the House of Commons, 13th April, 1888.—*Mr. Weldon (St. John)* ..... *Not printed.*

59*a*. Return to an Order of the House of Commons, dated 8th March, 1888, for a Return giving details of the expenditure on the Intercolonial Railway charged to capital account for the years 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887. Presented to the House of Commons, 13th April, 1888.—*Mr. Jones (Halifax)*.....*Not printed.*

59*b*. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of the proceedings of the inquest held at Ste. Flavie, on 23rd September, 1887, on the body of William L. Duncan, killed on the Intercolonial Railway on the previous day, with the evidence taken at such inquest; also any report of any investigation of the accident made by the railway authorities, or any report in connection with such accident made to the Department of Railways and Canals; and also any correspondence had with said Department relating to this matter. Presented to the House of Commons, 18th April, 1888.—*Mr. Weldon (St. John)*.....*Not printed.*

59*c*. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all tenders received by the Government, in February last, for fencing the Eastern Extension Railway in Nova Scotia, and the Intercolonial Railway, from Pictou Landing to Windsor Junction; and also a statement showing the names of the party or parties to whom contracts have been awarded, if any have been awarded, and length of fence each has contracted for and amount to be paid for work. Presented to the House of Commons, 27th April, 1888.—*Mr. Kirk*.....*Not printed.*

59*d*. Return to an Order of the House of Commons, dated 18th April, 1888, for copies of all correspondence between J. C. Pottinger, Esq., Superintendent Intercolonial Railway, and Mr. Noël Fortin, of the parish of St. Fabien, respecting accident and damages caused to the latter. Presented to the House of Commons, 30th April, 1888.—*Mr. Fiset*.....*Not printed.*

59*e*. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return of all casualties to trains on the Intercolonial Railway arising from collisions, broken rails or any other cause from 1st April, 1887, to 1st March, 1888; the respective causes and dates; the names of the conductors, engine-drivers or other officials dismissed, suspended or fined for any such collisions or neglect of duty, the amount of damage (if any) to property in such cases, the amount of compensation paid to owners of property destroyed or damaged, as well as amount of claims for loss or damage to property unsettled (if any). Presented to the House of Commons, 27th April, 1888.—*Mr. Weldon (St. John)* ..... *Not printed.*

59*f*. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 20th April, 1887, for copies of all papers, documents, correspondence, &c., respecting the dismissal of Odias Corbonneau, Eudore Gaumont and Fidèle Pelletier, all three employed on the Intercolonial Railway; the first as telegraph operator at the Chaudière, county of Lévis, the second as section man at St. Thomas, county of Montmagny, and the third as station master at Cap St. Ignace, county of Montmagny. Presented to the House of Commons, 11th May, 1888.—*Mr. Choquette*.....*Not printed.*

60. Return to an Order of the House of Commons, dated 9th April, 1888, for a copy of the contract which now exists between the Government and the contractors for the printing of Dominion Notes, and copies of all correspondence relating to the awarding thereof. Presented to the House of Commons, 16th April, 1888.—*Mr. Edgar*.....*Not printed.*

61. Return to an Address of the Senate, to His Excellency the Governor General, dated 4th April, 1888, for a statement showing total cost of construction of various works for the descent of timber and sawlogs on the Ottawa River and its tributaries, up to the 30th June last; also statement showing the yearly expenditure for the maintenance of the said works for five years preceding the 30th June last, under the different heads of reconstruction, repairs and cost of management, at each of the stations, with the names of river or tributary where the same was expended; likewise copies of any or all applications, whether from individuals or chartered companies, to acquire by purchase or otherwise all or any portion of said works and improvements on the said Ottawa River and tributaries thereof. Presented to the Senate, 18th April, 1888.—*Hon. Mr. Clemow*.—*Not printed.*

61*a*. Return to an Order of the House of Commons, dated 16th April, 1888, for a statement showing total cost of construction of various works for the descent of timber and saw-logs on the Ottawa River and its tributaries, up to the 30th June last; also statement showing the yearly expenditure for the maintenance of the said works for five years preceding the 30th June last, under the different heads of reconstruction, repairs and cost of management, at each of the stations, with the names of river or tributary where the same was expended; likewise copies of any or all applications, whether from individuals or chartered companies, to acquire by purchase or otherwise all or any portion of said works and improvements on the said Ottawa River and tributaries thereof. Presented to the House of Commons, 26th April, 1888.—*Mr. Amyot*..... *Not printed.*

62. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all Tenders for Militia Clothing since the 1st of January, 1883, showing the name of each firm or party tendering, the amount of each tender, and the name of the person or firm to whom the contract or contracts were awarded. Presented to the House of Commons, 17th May, 1888.—*Mr. McMullen*. *Not printed.*

62*a*. Papers relating to the pensions to Gunner Ryan, Montreal Garrison Artillery, and Sergeant Valiquette, 65th Battalion; the salary of Caretaker Bedford, Rifle Range, Quebec; cost of medicines, Infantry Schools at Fredericton, N.B., St. John's, Quebec, and Toronto, Ontario, in 1886-87; and pensions granted to representatives of Capt. F. T. Brown and Lieut. Charles Swinford. Also statement of militia pensions payable on account of rebellion, North-West Territories, 1885, with copies of regulations regarding the issue of active service pensions. Presented to the House of Commons, 17th May, 1888, by Sir Adolphe Caron .....*Not printed.*

63. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all contracts entered into between the Government and John Harvey for the construction of slides and other improvements on the Mattawa River; also copies of all advertisements asking for tenders for such

work, copies of such tenders, and all other papers, letters and correspondence between the Government and Harvey relating to such contracts and works. Presented to the House of Commons, 25th April, 1888.—*Mr. Lister*.....*Not printed.*

64. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of all correspondence, petitions and reports respecting the Chippawa and Ottawa Nation Indians' claim to certain lands in Lake Erie and the Detroit River. Presented to the House of Commons, 25th April, 1888 —*Mr. Patterson (Essex)*.....*Not printed.*

64a. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 25th April, 1888, for a Return of copies of all correspondence, charges, papers and orders touching or relating to the dismissal of Archibald Culbertson from the office of Indian Councillor of the Mohawk Band. Presented to the House of Commons, 7th May, 1887.—*Mr. Burdett.*—
Not printed.

64b. Return to an Order of the House of Commons, dated 16th April, 1888, for copy of all correspondence between the Government and any person or persons relating to the claim of the Mississauga Indians, under the various treaties in reference to unsurrendered lands, together with any reports and plans in connection therewith. Presented to the House of Commons, 8th May, 1888.—*Mr. Madill*.....*Not printed.*

64c. Return to an Address of the House of Commons to His Excellency the Governor General, dated 9th April, 1888, for copies of all correspondence between the Governments of the Dominion and Ontario, in reference to a claim of the Six Nation Indians for compensation for lands flooded by the construction of a dam across the Grand River, at Dunnville, by the Welland Canal Company, in or about the year 1833; also all Orders in Council and all Departmental Reports bearing upon such claim or the payment thereof. Presented to the House of Commons, 9th May, 1888.—*Mr. Somerville*.....*Not printed.*

64d. Return to an Order of the House of Commons, dated 18th April, 1888, for copies of all letters, telegrams and petitions forwarded by Indians of the Caughnawaga Reserve to the Minister of the Interior, asking for an election of chiefs, in accordance with the provisions of the Indian Act; also of all correspondence on the subject between the said Indians, the Minister of the Interior, and the Agent of the Reserve. Presented to the House of Commons, 9th May, 1888.—*Mr. Doyon*.....*Not printed.*

65. Return to an Address of the House of Commons to His Excellency the Governor General, dated 9th April, 1888, for copies of all papers, correspondence, Orders in Council and Departmental Orders not already brought down with reference to: 1. The refusal of the United States authorities to allow Canadian wrecking vessels and machinery to assist Canadian vessels while in distress in United States waters. 2. The refusal of the Canadian authorities to allow United States wrecking vessels and machinery to assist United States vessels while in distress in Canadian waters. Presented to the House of Commons, 26th April, 1888.—*Mr. Edgar*—
Printed for both Distribution and Sessional Papers.

65a. Correspondence relating to the seizure of British vessels in Behring's Sea. Presented to the House of Commons, 26th April, 1888, by Hon. G. E. Foster—
Printed for both Distribution and Sessional Papers.

65b. Further correspondence relating to the seizure of British vessels in Behring's Sea. Presented to the House of Commons, 27th April, 1888, by Hon. G. E. Foster—
Printed for both Distribution and Sessional Papers.

65c. Additional correspondence relating to the seizure of British vessels in Behring's Sea. Presented to the House of Commons, 18th May, 1888, by Hon. G. E. Foster—
Printed for both Distribution and Sessional Papers.

66. Certified copy of a Report of a Committee of the Privy Council, on the subject of railways in Manitoba, the North-West Territories and British Columbia; together with the report of the Minister of Railways and Canals on the subject, including a copy of a proposed agreement and schedule. Presented to the House of Commons, 30th April, 1888, by Sir Charles Tupper—
Not printed.

67. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all surveys, reports and correspondence in connection with the survey of the Straits of Northumberland with the view of building a subway across the Straits. Also the names of engineers employed, with detailed account of expenses incurred in said survey during the year 1886. Presented to the House of Commons, 4th May, 1888.—*Mr. Perry*.....*Printed for Sessional Papers only.*

67*a*. Return to an Address of the Senate to His Excellency the Governor General, dated 27th March, 1888, for a copy of the plans and reports of the last survey concerning the proposed subway between Cape Traverse, Prince Edward Island, and Cape Tormentine, New Brunswick. Presented to the Senate, 18th April, 1888.—*Hon. Mr. Howlan.....Printed for Sessional Papers only.*

68. Certified copies of Reports of Committees of the Honorable the Privy Council and other papers, relative to the disallowance of certain Acts passed by the Legislature of the Province of British Columbia. Presented to the House of Commons, 4th May, 1888, by Sir Hector Langevin—
Printed for both Distribution and Sessional Papers.

69. Report of the Quebec Harbor Commissioners, for the year 1887. Presented to the House of Commons, 7th May, 1888, by Sir Charles Tupper.....*Not printed.*

69*a*. Report of the Montreal Harbor Commissioners, for the year 1887. Presented to the House of Commons, 7th May, 1888, by Sir Charles Tupper.....*Not printed.*

69*b*. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all correspondence, petitions, reports of engineers, and others, respecting the dredging of Picton Harbor, Bay of Quinté, not already brought down. Presented to the House of Commons, 14th May, 1888.—*Mr. Platt*.....*Not printed.*

70. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all papers and correspondence relating to any proposed change in the mode of ventilating the House of Commons Chamber. Presented to the House of Commons, 9th May, 1888.—*Mr. Charlton*—
Not printed.

71. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of the report made by Professor Saunders on the question of location of the Experimental Farm in the North-West, with all letters, documents and papers referring to the several proposed locations and his recommendations in connection therewith. Presented to the House of Commons, 11th May, 1888.—*Mr. McMullen*.....*Not printed.*

72. Return to an Order of the House of Commons, dated 16th April, 1888, for a copy of all correspondence, reports and recommendations having reference to the claim of Captain George H. Young, of Winnipeg, that he and Stretchermen Bailey and King, of the 90th Battalion, rescued the wounded Priest, Rev. Father Moulin, at Batoche, on the 11th May, 1885; and that the said rescue was not effected by Doctor Gravely, of Cornwall, as stated in the report of the Surgeon General of Militia as presented to Parliament in May, 1886. Presented to the House of Commons, 14th May, 1888.—*Mr. Daly*.....*Not printed.*

73. A certified copy of a Report of a Committee of the Honorable the Privy Council, approved by His Excellency the Governor General in Council on 23rd July, 1887, on a Memorandum dated 19th July, 1887, from the Minister of Public Works, concurring in the recommendation contained in the annexed report of the Superintendent of Government Telegraphy, and recommending that the necessary steps be taken to enable the Dominion to enter into the convention for the protection of submarine cables. Presented to the Senate, 6th April, 1888, by Hon. Mr. *Abbott*.....*Not printed.*

74. General statements and returns of baptisms, marriages and burials in the districts of Arthabaska, Chicoutimi, Gaspé, Iberville, Joliette, Montmagny and Saguenay, for the year 1887. Presented to the House of Commons, 19th May, 1888, by Hon. Mr. Speaker.....*Not printed.*

75. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all papers concerning the application of George J. McDonald, in connection with the Centennial Exhibition of 1878. Presented to the House of Commons, 21st May, 1888.—*Mr. Landerkin*—
Not printed.

76. Return to an Address of the Senate to His Excellency the Governor General, dated 27th March, 1888, praying that His Excellency will be pleased to cause to be laid before this House, a copy of the proceedings of the Colonial Conference at London, in 1887, so far as they relate to Imperial postal and telegraphic communications through Canada, together with any correspondence between the Imperial authorities and the Dominion Government or any of its Departments on that subject since the date of the Conference. Presented to the Senate, 18th May, 1888.—*Hon. Mr. Dickey*.....*Printed for both Distribution and Sessional Papers.*

77. Return to an Address of the Senate to His Excellency the Governor General, dated 5th May 1886, for copies of all applications for patents and a list of all patents issued, together with list of persons who received such patents in: Township 8, ranges 1 and 2, east; township 8 ranges 1 and 2, west; township 9, range 1, east; township 9, ranges 1 and 2, west; townshi 10, ranges 1 and 2, east; township 10, ranges 1 and 2, west. Also sections 11 and 29 in town ship 10, range 2, west, and in all other lands comprised in the Goulet Rivière Salé survey Also for copies of all applications for scrip, a list of scrip issued, and a schedule of the name of all persons receiving such scrip issued upon such applications for, in connection with, or i lieu of said lands. Presented to the Senate, 21st May, 1888 —*Hon. Mr. Schultz*.....*Not printe*

78. Return to an Address of the Senate to His Excellency the Governor General, dated 10th Apri 1888, showing the amount it has cost Canada to maintain the Governor General's office fro Confederation to the first of January, 1888, for salaries, residence, travelling and all other inc dental expenses, so made as to show the amount charged to each and every of them respectivel Presented to the Senate, 22nd May, 1888.—*Hon. Mr. O'Donohoe*.....*Not printe*

TWENTIETH ANNUAL REPORT

OF THE

DEPARTMENT OF MARINE

FOR THE

FISCAL YEAR ENDED 30th JUNE,

1887.

Printed by Order of Parliament.

OTTAWA:
PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET,
1888

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To His Excellency the Most Honourable Sir Henry Charles Keith Petty-Fitzmaurice, Marquis of Lansdowne, in the County of Somerset, Earl of Wycombe, of Chipping Wycombe, in the County of Bucks, Viscount Calne and Calnstone, in the County of Wilts, and Lord Wycombe, Baron of Chipping Wycombe, in the County of Bucks, in the Peerage of Great Britain; Earl of Kerry and Earl of Shelburne, Viscount Clanmaurice and Fitzmaurice, Baron of Kerry, Lixnaw and Dunkerron, in the Peerage of Ireland; Knight Grand Cross of the Most Distinguished Order of Saint Michael and Saint George; Governor General of Canada, and Vice Admiral of the same, &c., &c.

MAY IT PLEASE YOUR EXCELLENCY:

I have the honour to submit herewith, for the information of Your Excellency and the Legislature of Canada, the Twentieth Annual Report of the Department of Marine, and the financial statements connected therewith, being for the fiscal year ended 30th June, 1887.

I have the honour to be,
Your Excellency's most obedient servant,

GEO. E. FOSTER,
Minister of Marine and Fisheries.

DEPARTMENT OF MARINE,
OTTAWA, 1st January, 1888.

REPORT

OF THE

DEPUTY MINISTER.

To the Honourable
GEORGE E. FOSTER,
Minister of Marine and Fisheries.

SIR,—I have the honour to report on the transactions of this Department for the fiscal year ended the 30th June last, and to give an account of a considerable portion of the business up to 31st December, 1887.

One supplement will be issued with this report, comprising the reports of the Chairmen of the Boards of Steamboat Inspection, and of Examiners of Masters and Mates; the reports of the Toronto, Montreal, Quebec and Pictou Harbour Commissioners, the Pilotage Authorities, the Harbour Masters, the Port Wardens and the Harbour Police of Montreal and Quebec, together with statements of wrecks and casualties, and list of rewards for saving life.

The total amount expended on the various branches of the public service administered by this Department, including the salaries of the establishment staff, during the fiscal year ended 30th June last, was $937,051.96 while the total amount voted was $989,722.50, which last named amount includes the departmental salaries.

The whole number of persons engaged in the outside service of the Department at the close of the calendar year was 1460.

The lighthouse service of the Dominion is divided as follows, viz. :—The Ontario Division, embracing lights above Montreal; the Quebec Division, extending below Montreal, and including the River and Gulf of St. Lawrence; the Nova Scotia Division; the New Brunswick Division; the Prince Edward Island Division, and the British Columbia Division. The total number of light stations in the Dominion on the 31st December last was 561, and of lights shown 658; the number of steam fog-whistles and automatic fog-horns 47, and the number of lightkeepers, engineers of fog-whistles and other assistants, with crews of lightships was 711.

The following is the number of lights shown, of fog-whistles and automatic fog-horns in the several Provinces in the Dominion, on the 31st December of each year from 1868 to 1888, inclusive.

In these numbers are the light stations on the coast of Newfoundland maintained by the Dominion.

	Light Stations.	Light-Houses.	Fog. Whistles.	Automatic Fog-horns.
31st December, 1868	198	227	2	.....
do 1869	219	233	2	.....
do 1870	240	278	4	.....
do 1871	264	297	8	.....
do 1872	280	314	13	.....
do 1873	316	363	17	.....
do 1874	342	384	18	.....
do 1875	377	444	22	.....
do 1876	407	488	24	.....
do 1877	416	509	25	2
do 1878	427	518	25	4
do 1879	443	542	23	6
do 1880	452	551	22	7
do 1881	462	553	23	9
do 1882	470	562	23	9
do 1883	484	578	23	9
do 1884	507	597	23	10
do 1885	526	617	23	12
do 1886	534	625	23	16
do 1887	561	658	23	24

ONTARIO LIGHTHOUSE DIVISION.

This division includes the lighthouses and lightships in that part of the Pr vince of Quebec lying west of Montreal, as also all the lights in the Province Ontario, embracing the lights on the Ottawa River, the St. Lawrence River abo Montreal, the great lakes, some of the smaller inland lakes and a lighthouse a lightship on Lake Winnipeg.

The number of lights in the Ontario division, inclusive of the two in Manitol is 179. This number comprises lighthouses, light-beacons and lightships ma tained by the Dominion. There are 246 buoys and 19 beacons.

The number of light-keepers in this division, paid directly by the Governme is 150, but in several cases assistants are employed by keepers and paid by th out of the allowance made by the Government for that purpose.

The lights in this division, with the exception of those on the Ottawa Ri and small lakes, were inspected, during the months of July and August, by M Patrick Harty, Superintendent of Lights, and supplied with the necessary stor

he steamer "Canada" having been chartered for the purpose, for the sum of 2,200.

The following work has been done in lighthouse construction during the past eason:—

A tower and dwelling house were built on Victoria Island, Lake Superior, as ontemplated, and the light put in operation last autumn, the temporary light up o that time shown hoisted on a pole being at the same time discontinued. The ght is fixed white, elevated 89 feet above the lake, and visible fifteen miles all round the horizon, except where intercepted by trees on the north and east parts f the island. The illuminating apparatus is dioptric of small size. The tower is square wooden building painted white, surmounted by an iron lantern painted ed. It stands upon a high rock rising abruptly from the low ground near the estern extremity of the island. The building is 30 feet high from the rock to e vane on the lantern. The keeper's dwelling and outbuildings, also of wood ainted white, stand on the lower ground to the south and westward of the tower. he work was done under contract by Mr. John George, the contract price being 2,773. The total expenditure in connection with the work amounted to $3,949.12.

As indicated in last year's report the lighthouse at Port Arthur was successlly moved on the ice to the westernmost end of the breakwater built out in the bay protect the harbor, a distance of about 2,320 feet, S. E. ½ S. from its rmer position. It has been established upon a cribwork block rising 5 feet above e deck of the breakwater, and is 31 feet from the extreme end of the breakwater. he light is fixed white, elevated 43 feet above the lake, and visible 11 miles. It as first shown in its new position on the opening of navigation last year. The xed red light temporarily maintained at this point was discontinued, and no light now shown from the former position of the tower on the Canadian Pacific Railay wharf. The work was done under the superintendence of Mr. William Murch, Engineer of the Public Works Department, and cost $509.51.

Mr. D. M. S. White successfully completed his contract for the erection of vo beacon lights on Lake Nipissing. One of these is established on the extremity a point near Mr. N. M. Campbell's tannery on the west side of the mouth of outh River, in such a position as to guide steamers to the mouth of the river past e shoals that extend northward and eastward from it. The light, which was rst put in operation on the 25th May last, is fixed white, shown from a lenticular ntern hoisted on a mast elevated 28 feet above the lake, and visible ten miles. he mast is 25 feet high, and has a wooden shed painted white at its base.

The other light on Lake Nipissing, which was put in operation on the same y, is located at the entrance to South-East Bay. It is fixed white, elevated 30 et above the lake, and visible ten miles. The illuminating apparatus is dioptric

of small size. The lighthouse tower is a square wooden building 21 feet hig painted white, with a red roof, and stands upon a cribwork pier which was bu for its reception by Mr. J. R. Booth at no expense to the Department, the stipu tion made in changing the site of this light being that it should be done witho involving any extra expenditure on the public service. The total cost in conn tion with erecting these two lights has been $729.85.

It was again found necessary to postpone the erection of the range lights indicate the dredged channel over the Lime Kiln Crossing, near Amherstburg, Detroit River, in consequence of the further widening of the channel by the Unit States Government. If it is ascertained that no further widening, beyond the 4 feet now proposed, is in contemplation in the near future, the construction of t range will probably be proceeded with during the coming season.

As proposed, the pier at Point Clair, in Lake St. Louis, which was damag by ice in the spring of 1886, has been repaired and raised 3 feet in height, a surmounted by a new lighthouse which will be put in operation on the opening navigation this year. The light, which will replace the temporary light maintai since the accident, will be fixed white, elevated 32 feet above summer level of lake and visible 10 miles. The illuminating apparatus is dioptric of small s The new tower is a square wooden building with a small dwelling attached, an painted white, with the iron lantern red, its extreme height being 32 feet. T work was done under contract by Mr. J. Sheridan, of Montreal, contract p being $2,475 and the total cost of the work $3,278.17.

The Dorval pier and light have been similarly reconstructed, and on the o ing of navigation this year the new light will be put in operation, replaci temporary light. It will be fixed white, elevated 37 feet above the summer l of the lake and visible 11 miles. The illuminating apparatus is dioptric of s size. The lighthouse tower is a square wooden building with a small dwel attached and is painted white with the iron lantern red. Its extreme he is 31 feet. This work was done under contract by Mr. Roderick Camero Lancaster, Ontario, contract price was $1,825, and the total expenditure in con tion with the work $2,472.45.

The east pier at the entrance to Oakville Harbour, Lake Ontario, having rebuilt by the Public Works Department, the temporary light which had maintained since the destruction of the old pier beside the inner end thereof immediately moved on to the outer end of the new work. Plans and specifica for a new lighthouse with block under it have been prepared and a contract fo work of erecting a new lighthouse has been awarded to Mr. John George of Elgin, for the sum of $937.

Messrs. Carroll & Pedwell's contract to build a beacon light on the outer end the pier at Thornbury, in the Georgian Bay, was satisfactorily completed, and e light was put in operation on the 18th May last. It is fixed red and is shown m a lenticular lantern hoisted on a mast at a height of 32 feet above the bay. should be visible 7 miles. The mast is 25 feet high and at its base is a small oden shed painted drab with a red root.

Tenders have not yet been invited for the two range lights which it is proposed erect at Killarney ; other and more important work having delayed the preration of plans and specification. It is proposed to proceed with these buildings the opening of navigation this year.

It is proposed to further improve the range of lights at Kingsville, Lake Erie, erecting a tower for the back range light and removing it from the window of ptain Malott's dwelling. This work will probably be carried out under contract ring the coming season.

It is intended to establish range lights at Point au Baril, on the Georgian y, to lead into the inside passage among the islands at that place. Plans were epared for this work last year, but it having been decided to erect better buildgs than was at first intended, new plans will be prepared and the work let at an rly date.

In consequence of the deepening of the Welland Canal it was found necessary change the range of lights at Port Colborne, Lake Erie, as in their former sition they led over the end of a bar with less water than could be got in the nal. The inner range light has consequently been removed to the inner angle the east breakwater pier, where it has been established on a crib-work block ilt to receive it.

The lights are now 2030 feet apart and range 5 by W½W which leads clear to the st-ward of Sugar Loaf Reef. The opportunity of doing this work was embraced make extensive repairs to the foundation of the main light tower and to the vated walk, which had been partly washed away by a storm during the previous l. This work was carried out by Messrs. Mathews & Anther, the contract ice being $1,900

A mast light has been established at Kagawong, at the foot of Mudge Bay, on anitoulin Island, Lake Huron. It will be ready to go into operation on the ening of navigation this year. It was built by Mr. John Gray from plans rnished by this Department ; the cost will appear in next year's accounts.

It has been decided to establish a fog-alarm at the Great Duck Island Light ation, Lake Huron, and tenders have been asked for the work. The fog-alarm

building will be of wood, brick lined, and sufficiently large to contain duplica machines.

It is proposed to build, during the coming year, a coast light on Cape Ga gantua, Lake Superior, and harbour lights at Round Island, on the east coast Lake Huron, and at the mouth of the River Trent, Bay of Quinté. Plans ar specifications will be prepared for these works during the coming season.

Plans and specifications have been prepared, and a contract let, for the ne dwelling for the light-keeper at Point Pelée, referred to in my report of last yea The work will be proceeded with as soon as the weather permits next spring.

A contract has been entered into with Mr. Robert Reed, to pile around t cribwork pier on which the outer range light stands, at Owen Sound, Georgi Bay, and to execute other repairs at that station. This work will be complet during the present winter. The contract price is $400.

A contract has also been let to Mr. George Wilson, at $1,480, to build a bo shelter pier and execute repairs at the light-station at Cole's Shoal, River S Lawrence, and the work is now in progress.

A contract has also been let to Mr. William Phillips, at $290, to protect t pier at Jackstraw Light Station, River St. Lawrence, with riprap, and that wo is now in progress.

A wire-rope railing, to prevent the light-keeper at Burlington Canal fr being washed off the pier during autumn storms, was provided last year at a c of $143.

A cribwork groyne, to protect the beach in front of the lighthouse on Pe Island, Lake Erie, was built under the Department's immediate supervision, duri the past season, and cost $878.62.

A breastwork protection, with groynes, was likewise built in front of t lighthouse on Christian Island, Georgian Bay, at a cost of $273.20, and a sm breastwork at Tobermory, which cost $33.20.

The total cost of maintaining the lights, light-vessels, fog bells, buoys a beacons in this division, including the Manitoba lights and lightship, for the l fiscal year, was $75,690.74, and the expenditure for construction of lights, dur the same period, was $18,383.20.

QUEBEC LIGHTHOUSE DIVISION.

This division comprises the lighthouses and lightships below Montreal, on River St. Lawrence, and on the Richelieu River and Lake Memphramagog, as v

as all the lighthouses, lightships, steam fog-whistles, gas, bell and other buoys and beacons in the River and Gulf of St. Lawrence, within the limits of the Province of Quebec, and on the north-west coast of Newfoundland and the Labrador coast. This important division is under the charge of Mr. J. U. Gregory, Agent of the Department at Quebec, who also has under his superintendence the Dominion steamers "Napoleon III" and "Druid," as well as the Quebec River Police Force.

At the close of navigation there were in this division 149 fixed and revolving lights; 8 lightships, 3 of which are supplied with steam fog-whistles; 7 steam fog-whistles or horns; 10 fog-guns; 109 buoys, 8 of which are gas buoys; 59 beacons and 9 life-saving canoes for service in the ice.

The lights situated between Quebec and Montreal were supplied during the past season by the steamer "Druid," as well as those on the north shore between Quebec and Portneuf, and as far as Father Point on the south shore; as also the lights on the Gaspé coast and Seven Islands, Egg Island and Point des Monts on the north shore of the St. Lawrence.

The lights in the Gulf of St. Lawrence, Straits of Belle Isle and Baie des Chaleurs were supplied by the steamer "Napoleon," two trips having been made for that purpose, viz., one in August and another in October.

All the light stations visited were inspected by Mr. J. B. Bruneau, who has been acting in the capacity of inspector since the death of Mr. William Barbour.

The following is a synopsis of the principal repairs and improvements made at the lighthouse stations in this division during the past season, exclusive of the ordinary painting which was done wherever required :—

LIGHTS BETWEEN QUEBEC AND MONTREAL.

Lavaltrie.

Stone rip-rap carried away by the spring ice was replaced around the pier.

Isle aux Raisins.

The small pier damaged by spring ice was repaired and the channel between the lights cleared out.

Isle à la Pierre.

The pier damaged by ice last spring was repaired.

Port St. Francis.

A new pier was built for the front range light.

Repentigny.

Posts and stones were placed around the front range tower to protect it from the ice.

LIGHTS BELOW QUEBEC.

Algernon Rock.

Four new pieces of boiler plate were put on the pier to replace those that were carried away by the ice last winter.

Bird Rocks.

A new light house and oil shed were constructed; also a small house for steam winch and boiler, and some necessary repairs were made to dwelling and other buildings.

Cape Bauld.

A fog-horn house for a spare horn was completed and extensive repairs were made to the tower and dwelling.

Lower Traverse.

The two small dioptric head lights were changed for others that had less obstructions around them and the light thereby improved.

Red Island Lighthouse.

A new oil shed was erected.

South Point, Anticosti.

An oil shed was erected. A new boiler for the steam fog-whistle was landed and put in operation, and the old one brought to Quebec to be repaired.

West Point, Anticosti.

A stone breakwater was constructed to protect the tower and dwelling, at a cost of $1,510.34.

A fog-horn operated by steam and compressed air has been established at Greenly Island Light Station, in the Strait of Belle Isle, Labrador, and will be put in operation on the opening of navigation in the spring. The horn will sound blasts of 10 seconds duration, with intervals of 50 seconds between the blasts.

The fog-alarm building is situate about 100 yards south of the lighthouse on the south-west part of the island, and is of wood, painted white, with a red roof.

The fog gun heretofore maintained at this station will be discontinued when the horn goes into operation.

On the 16th October last, the Lower Traverse Light Ship was sunk at her moorings, having been run into by the ship "Loyal," and a temporary light was immediately shown from a vessel moored close to the place where the lightship was

sunk. Efforts were made to raise the vessel, but owing to the rough weather and the lateness of the season, it was deemed advisable to suspend operations until next spring.

GAS BUOYS.

During the past season, two additional gas buoys on the Pintsch system were established in the River St. Lawrence below Quebec. One on the west end of Madam Island Reef, replacing the red can buoy previously maintained at that point; the other on the west end of Margaret Island bank, to enable vessels to call at the Quarantine Station by night.

The total amount expended for the maintenance of lights, lightships, provision depôts, buoys, beacons and fog-whistles in this division during the year ended 30th June last amounted to $148,276.29

NOVA SCOTIA LIGHTHOUSE DIVISION.

This division, in charge of Mr. H. W. Johnston, Agent of the Department for the Province, includes at this date 153 lighthouses, exhibiting 163 lights, 1 light vessel, 12 steam fog-alarms, 2 fog-bells, 3 signal gun stations, 8 automatic signal buoys, 5 iron bell buoys, 95 iron can buoys, about 460 spar and other small buoys, 8 stationary beacons, 8 lifeboat stations, 3 humane establishments, and 4 signal stations.

The light stations were inspected by Mr. C. A. Hutchins, the Inspector of Lights, accompanied by Mr. Warner, engineer of the "Newfield," who also carefully examined the fog-alarms and their boilers and machinery.

Two new lights have been established and put in operation during the past year, a new tower erected, and necessary repairs and improvements effected at various stations. Additions have also been made to the buoyage service, and this important and rapidly increasing branch of the service has received the careful attention of the Inspector with a view to improving its effectiveness and economizing expense.

NEW LIGHTS COMPLETED THIS YEAR.

Beaver Harbor.

A pole light, with shelter shed for keeper, has been erected under contract by Mr. Patrick Fahey, for the sum of $425, on Beaver Point. This light is intended for the guidance of vessels seeking anchorage in Beaver Harbour. It is fixed red, elevated about 40 feet above high water mark, and is displayed from a lantern hoisted on a mast 25 feet high, with a shed at its base, and the light should be visible five miles. This light was put in operation on the 15th October last.

Sheet Harbour Passage.

A light has been established in the dwelling of Mr. James Wambolt, Sheet Harbour Passage, for the benefit of vessels navigating Sheet Harbour Passage. The light, which is fixed red, is displayed from a window in the keeper's dwelling, elevated about 42 feet above high water mark, and should be visible 5 miles. It was put in operation on the 28th September last.

Digby.

A lantern on a pole, exhibiting a red light, has been established at the inner end of the warehouse on the Digby Pier.

FOG ALARM STATIONS.

Scatterie.

A new set of tubes has been fitted in boiler, a new Judson governor supplied, and machinery overhauled and put in order.

Cranberry Head Fog-Alarm.

The fog-alarm established on Cranberry Head, on the northern side of the entrance to Sydney Harbour, Cape Breton, was put in operation on the opening of navigation this year. The horn is operated by compressed air, and will, when required, sound blasts of 10 seconds' duration, with intervals of 50 seconds between the blasts.

St. Paul's.

A number of new tubes have been fitted in boiler and the top row of tubes plugged. An iron tank and 140 feet of iron piping for supplying water from spring to reservoir, have been furnished.

Cranberry Island.

Machinery repaired and put in good working condition. Roof of whistle house repaired, and 190 feet of iron piping supplied to carry water from pools during dry seasons to the reservoir.

Sambro.

A Crosby automatic signal apparatus has been attached to the machinery at this station, which has been found to effect a considerable saving in fuel and water and also saves the running of the engine. New exhaust pipes have been fitted to boiler to carry the water and steam clear of the foundation of coal shed adjoining the whistle house. The sills, joists and floor of coal shed have been removed, and a new derrick erected at landing.

Cross Island.

General repairs to boiler and machinery have been made, two manhole rubber joints and union supplied and operating valve reground.

Shelburne.

Fog-whistle machinery generally overhauled and repaired.

Seal Island.

A new set of tubes fitted to boiler, seams caulked, new coal shed built and general repairs effected.

Brier Island.

Hard patch inside furnace and two soft patches placed on outside shell of boiler. New steps built at entrance to whistle house.

Cape d'Or.

The sum of $200 has been expended in repairing road from Horse Shoe Cove to Station.

The following is a statement of the repairs and improvements effected at the different light stations during the past year :—

Egg Island.

A new clockwork machine to revolve the illuminating apparatus has been fitted up and the old one brought off for necessary repairs. The landing slip has been renewed and sundry small repairs done to buildings.

Pope's Harbour.

A new boathouse has been erected, planks of lantern deck renewed and deck covered with canvas.

Sheet Rock.

A crib work block built at end of landing slip and slip repaired. A new boat supplied.

Peggy's Point.

An iron lantern, formerly in use at Ironbound Island, has been fitted up in place of the old lantern, which was found to be worn and unfit for service, and a new deck and base built to receive lantern.

Westhaver Island.

On the 28th June last a fire occurred at this station resulting in the total destruction of the lighthouse and contents. The oil store and boathouse were saved. An investigation into the cause of the fire has been held by the Inspector, but no satisfactory conclusion has been arrived at. The fire is supposed to have been the work of an incendiary.

A temporary pole has been erected until a permanent light can be established.

Negro Island.

The old tower which stood about 20 feet from the keeper's dwelling, having been condemned, a new tower was erected during the past year, under contract by Mr. DeChamp. The new tower stands at the eastern end of keeper's dwelling, with which it is connected.

Bon Portage.

The tower has been stripped and re-shingled, new storm door provided for kitchen, deck of lantern repaired and all new work painted. The revolving clock work was also repaired.

Barrington Lightship.

The lightship was withdrawn last fall for the winter months, being considered too weak to withstand the winter gales. She was temporarily repaired and placed in position on the opening of navigation. After a further examination had been made while the vessel was hauled up ashore, it was found necessary to condemn her as unfit for service, and call for tenders for the construction of a new vessel. The tender of Mr. McGill having been accepted, he at once proceeded to build a vessel in accordance with specifications furnished by the Department, and she was placed at her station in November last.

Seal Island.

Extensive improvements and repairs have been effected at this station, of which the following is a summary:—The old portion of the keeper's dwelling was taken down and a new addition built to the new part, 31 feet square. Repairs were made to the plaster and inside finish of the old part. A new coal shed was erected adjoining the whistle house, and a brick chimney erected at the whistle house in place of the old iron smoke stack. The extensive landing slip has been thoroughly repaired and re-planked, and a commodious boathouse erected at the head of the slip for the accommodation of the life-boat. A new-life boat built at the Marine Wharf, especially for the requirements of this station, has been sent to the island and stored in boathouse ready for use in case of emergency. The lighthouse and other buildings have been painted.

Shafner's Point.

A substantial stone retaining wall has been built on the face of embankment in front of the lighthouse.

Advocate Harbour.

It having been decided to remove the lighthouse to the opposite side of the channel, tenders were invited for the work of removal and building an addition to tower for accommodation of the keeper's family. The tender of Messrs. Thomas George Livingstone, for $675, being the lowest, was accepted, and the work is now in progress and expected to be completed about the end of October.

The following pole lights in Minas Basin have been changed from white to red lights, and have been supplied with lanterns: Masstown, Economy, Little Dyke and Port au Pique.

BUOY SERVICE.

The large iron can buoy at Brig Rock was carried adrift from its station in April last, but was picked up by fishermen off Ship Harbour; the moorings, however, were lost.

The automatic buoy off Sheet Harbour was carried adrift by the ice in May last. It was picked up off Beaver Harbour by fishermen, with loss of moorings, whistle and guard, and two plates damaged. The buoy was brought to Halifax by the "Newfield" and repaired.

In December last the automatic buoy on the Lurcher Shoal was found to have drifted into six fathoms of water. On examination of the moorings the flue of the anchor was found broken off. A new buoy, with moorings, was placed by the "Newfield."

The automatic buoy on the Blonde Rock, which was lost in December, 1883, has never been recovered, and the shoal remained without any mark up to October last, when a new buoy was placed by the "Lansdowne" at the same place as the former one.

Large iron can buoys were placed, one off the shoal of the Cape Jack Ledges: one on the Orpheus Rock; one at Farens Ledge, off Lockeport Harbour; one on Kelly's Shoal; one on the Roaring Bull, Yarmouth.

A number of small iron can buoys and spar buoys have been placed on various parts of the coast and in the harbours of the Province.

As a means of distinguishing more readily the black and red spar buoys, the experiment has been tried of having a ball on top of the red or starboard buoys. The red starboard buoys in Lennox Passage, St. Peter's Bay, the Bras d'Or Lakes, Louisburg and Arichat have been fitted with balls. This is found to be such an improvement, that it is likely all red spar buoys will be fitted with balls this winter, before being replaced on the opening of navigation.

Sable Island.

Carpenters and building materials were taken to the Island last June by the "Newfield," to effect necessary repairs and improvements. A new boathouse was erected at the East End Station, with three cradles for boats, and a tramway from boathouse to water; a shed built near the east end barn, and repairs made to the foot of lake barn; re-shingling done to roof of sailors' home and the root cellar; a new lookout placed at the main station.

Life-Boats.

Three new self-righting and self-bailing boats have been built by Mr. John Williams, of Dartmouth. They are still in store, awaiting a decision as to their location.

The total cost of maintenance of the lights, steam fog-whistles, &c., in the Province of Nova Scotia, including humane establishments at Sable Island, St. Paul and Scatterie, for the last fiscal year, amounted to $117,808.53, and the amount expended during the same period on construction of lights was $5,330.89.

NEW BRUNSWICK LIGHTHOUSE DIVISION.

This division comprises all the lighthouses, fog-whistles, buoys and beacons on the coasts and rivers of the Province of New Brunswick, and is under the charge of Mr. J. H. Harding, Agent of the Department at St. John, N.B. In this division there were at the close of navigation 107 lighthouses, including 2 light-ships and 13 fog-alarms, under the charge of 93 lightkeepers and engineers.

During the past year new lights and fog alarms have been established as follows:—

A beacon light on the north side of the entrance to Little Shippegan Gully, Miscou Harbour, in the County of Gloucester, to mark the entrance through the gully to Little Shippegan or Miscou Harbour from the Gulf of St. Lawrence. It consists of a fixed white light, shown from a small dioptric lantern hoisted on a mast 45 feet above high water mark and visible 7 miles from all points of approach.

A beacon light on Harper's Point, at the western entrance from Chaleur Bay to Little Shippegan or Miscou Harbour. It consists of a fixed white light shown from a small dioptric lantern hoisted on a mast 38 feet above high water mark, and is visible six miles from all points of approach.

A beacon light upon the outer end of the eastern breakwater pier at Quaco or St. Martin's on the Bay of Fundy, in the County of St. John. It consists of a small square wooden tower, painted white, showing a fixed red light, elevated 20 feet above high water. This light serves to mark the entrance into Quaco Inner Harbour.

A fog horn operated mechanically by compressed air has been established at the West Quaco Head Light Station, on the north shore of the Bay of Fundy. The alarm when required will sound blasts of 9 seconds' duration with intervals of 30 seconds between the blasts. The horn was put in operation on the 1st September last. It will be a great aid to coasters in making the harbour for anchorage.

The fog-horn on Big Duck Island, off the east coast of Grand Manan, Bay of

Fundy, was put in operation on the 1st October last. It is giving great satisfaction to the fishermen and vessels coasting around the south and east sides of the island.

The following is a synopsis of the principal repairs and improvements effected at the lighthouse stations in this division, during the past season :—

Beaver Harbour Light.

General repairs have been effected on all the buildings at this station. The lighthouse and dwelling were also painted and a road laid out.

Bliss Island Light.

A small addition was made to the keeper's dwelling.

Beacon Light St. John Harbour.

A portion of the tower renewed and other repairs effected.

Cox's Point Light.

The lighthouse at this station, which had been overturned by the ice and heavy freshet, has been raised and put in good order.

Cape Spencer Light.

Repairs to lighthouse and other buildings, and lighting apparatus, carried out.

Gannet Rock Light.

The iron posts being rusted and the platforms around the building rotten, a row of two-inch iron posts was placed around the building, on which were placed heavy timbers and the platforms and bulkheads renewed, and new railing posts and bracings were placed around the entire building, and other repairs carried out.

Head Harbour Light.

Extensive repairs were carried out at this station during the year. The old lantern was taken down and all the decayed woodwork renewed. A new iron lantern, with large plate glass windows, was erected, and a third order dioptric light placed in the lantern. An addition was also made to the engineer's dwelling at the fog-alarm station.

Machias Seal Island Light and Fog-Alarm.

The lighthouse and other buildings painted and necessary repairs effected. The boiler was all overhauled and put in thorough repair, but it was deemed advisable to have the boiler which belonged to Lepreaux Station repaired for use at this station. This has been carried out at a cost of $530, but owing to the lateness of the season, it has not been found practicable to land it on the island.

McMann's Point Light.

The heavy freshets of last spring rendered repairs necessary to the foundation of this lighthouse, which have been carried out.

Partridge Island Light and Alarm.

Extensive repairs effected at this station and a new lantern, with dioptric light, erected. The new light gives much satisfaction, and our Agent reports that it is a great improvement on the old light. The western boiler of the fog-alarm at this station was also repaired and the capacity of the storing reservoir enlarged, so that there is now an abundant supply of water at all seasons of the year.

Passamaquoddy Bay Light.

The lighthouse block repaired, the landing on the north and south side of the lighthouse improved, and a coal shed erected.

Quaco Light.

A new road was made round the lighthouse to the landing, and the lower landing, injured during the winter by a heavy storm, has been repaired and re-ballasted.

Southern Wolf Light.

A new boathouse was built at this station.

South-West Head Light.

General repairs carried out at this station, the road extended and improved, and fences erected.

Swallow Tail Light.

The illuminating apparatus at this station was changed from the catoptric to the dioptic principle. The light now exhibited is, as heretofore, a fixed white light, 148 feet above high water mark.

Letête Fog-Alarm.

Repairs made to dwelling house and engine room, and a new coal shed erected.

North Head-Fog Alarm, Grand Manan.

A new reservoir was built and 75 rods of new road leading to the fog alarm constructed.

Point Escuminac Fog-Horn.

The old fog-whistle was removed from this station, and was replaced on the 15th September by a fog-horn, operated by compressed air. The horn sounds during thick weather blasts of 6 seconds' duration, with intervals of 35 seconds between the blasts.

Point Lepreaux Fog-Alarm.

Considerable repairs were made to the engine. A new pump was placed in connection with the machinery, and two water-tight bulkheads built.

BU YS AND BEACONS.

There are two bell buoys now in the Bay of Fundy, one moored off Partridge Island, which is an iron ship-shaped buoy, with tight, enclosed deck, with a bell elevated on a mast. There is also a large tower built around the mast on the deck of the vessel, in which long arms are secured at the bottom with iron balls on the top, which are operated by motion of the sea acting on the vessel, by which the arms weighted at their upper ends are thrown against the bell.

This buoy presents the largest appearance on the water of any buoy in the service, and, when the water is calm, can be much more easily discerned than any other buoy we have now in use.

The other bell buoy is moored off Quaco Lighthouse Ledge and is an iron buoy with a round bottom, ballasted with water, with balls suspended on arms on a vertical shaft, each of which acts as the pendulum of a clock, swinging by the motion of the sea and striking the bell suspended below. This description of buoy is the most sensitive in use, as the smallest motion of the water sets the hammers of the bell in motion. This buoy is proving a splendid guide to vessels making Quaco Harbour in thick weather. It has been removed and stored for the winter, to be replaced in the spring.

A small iron bell buoy was moored near the Quaco Reef in the fall of 1836, called the Brown buoy. It disappeared during the spring of 1887, and is supposed to have been sunk by the ice. When a steamer can be found available, she will be sent there to grapple for it.

Another large iron bell buoy will be moored off Partridge Island to replace the ship buoy for a time.

The two automatic buoys, one moored off Point Lepreaux and the other off Split Rock have proved of great value to the steamers and vessels navigating the Bay of Fundy in thick weather.

The total cost of maintaining the lights, fog-whistles, buoys and beacons in the Province of New Brunswick, for the fiscal year, amounted to $96,425.28, and the amount expended during the same period on construction of lights was $5,280.73.

PRINCE EDWARD ISLAND LIGHTHOUSE DIVISION.

This division is under the charge of Mr. Artemas Lord, who is agent of the

Department at Charlottetown. At the close of navigation there were 47 light stations and one fog alarm, under the charge of 36 keepers. The majority of these lights are situated on headlands, and serve the general purposes of navigation; the remainder are harbour lights and intended principally for the benefit of the fishermen.

A schooner of 18 tons register was built for the work of inspection of light houses. The delivery of oil and stores was done by the agent in this vessel.

The following is a synopsis of the principal work done on light stations in this agency during the past year:

Alberton Range Lights.

These lights have been elevated 11 feet higher than formerly to give a greater distance of range.

Fish Island, Malpeque Harbour.

The range light had a full set of sills and knees put under it. It has been moved 20 feet south of its former position, so as to range clear of a bank on the north side of the channel.

North Rustico.

The brushwork foundation of the outer range light, which had been carried away by gales, was repaired, but a heavy easterly gale undermined the place cutting away the sand and canting the building out of position. The range light was ordered to be shown from a tower window, as was done previous to the erection of the outer range.

Indian Point.

This station received two coats of paint. The iron caisson was scraped and coal-tarred. The breakwater received some damage by settling at the north-west end; the two upper tiers of timber parted from the under part a distance of [illegible] inches and remained hung up by the pile bolts. The bolts will be cut to let the upper tiers drop, then the piles will be re-bolted. Piles will be driven around the work and about 100 tons of stone put in to fill up the waste at different places.

Panmure Island.

The dioptric light at this station was damaged on the night of the 6th September. The lamp exploded and destroyed the illuminating apparatus by breaking all the glass lenses and badly cracking the centre piece. The plate window glass was also badly damaged. Happily the light went out on the lamp exploding or the building would have also been destroyed. The light was maintained by the placing of a portable lamp in the damaged apparatus, where it gave a fair light.

The range lights established at Big Miminegash, on the west coast of Prince Edward Island, were put in operation on the 15th June last for general navigation.

The total cost of maintaining the lights in the Province of Prince Edward Island for the fiscal year was $17,852.13, and the expenditure for construction was $384.60.

BRITISH COLUMBIA LIGHTHOUSE DIVISION.

This division is under the charge of Mr. H. G. Lewis, Agent of the Department at Victoria. There are 9 lighthouses in this Province and one steam whistle, under the charge of 9 keepers, who provide the necessary assistants.

New beacons have been erected to more distinctly mark the dangers in the waters of British Columbia: One on the middle of Fiddle Reef, Mowatt Channel, between Juan de Fuca and Haro Straits. This is a wooden, whitewashed, conical structure, 40 feet high, surmounted by a pole and cage 10 feet high, painted black, making the whole beacon 50 feet high above the level of high water.

A wooden pyramidal beacon on Zero Rock, Haro Strait, near its centre, 30 feet in height, surmounted by a pole and frame in the shape of an obelisk, 20 feet high, making the whole height 50 feet.

A wooden beacon on the extreme N.-W. end of Sydney Spit, which is a prolongation north-westward of Sydney Island, Sydney Channel. This beacon consists of a cone 40 feet high surmounted by a pole and cage 10 feet high, making the whole structure 50 feet high.

A wooden beacon on an iron pile foundation on Enterprise Reef, near Active Pass on the east coast of Vancouver Island. The superstructure is 19 feet high, making the whole beacon 34 feet high from the rock and showing clear 22 feet above high water. To the pyramidal frame work of this beacon are fixed two discs made of slats at right angles to each other, having the appearance at a distance of upper and lower balls.

Two beacons to lead into the western channel of Barclay Sound, being the approach to Toquart Harbour on the Pacific coast of Vancouver Island. The front beacon is erected near the summit of Round Island, 100 feet above high water mark. The beacon is a conical wooden whitewashed structure, 40 feet high, surmounted by a mast and spire 15 feet high, making the whole structure 55 feet high, and 155 above high water level.

The back beacon stands on the summit of Castle Islet, which is 44 feet above the level of the sea at high water. The beacon is a conical wooden whitewashed structure 40 feet high, surmounted by a mast and triangle 10 feet high, making the whole beacon 50 feet high or 94 feet above high water mark.

A fog-bell has been erected at Beren's Island light station at the entrance of Victoria Harbour. The bell is suspended from a roofed framework on the seaward

side of the lighthouse tower and is rung by hand, but only in answer to steamers blowing their whistles on entering in thick weather.

A fog-bell operated by machinery has been erected and put in operation a the light station on Georgina Point, at the northern entrance to Active Pass.

The belfry, a square wooden building, painted white, stands on the extrem westerly part of the point, about 40 feet from the lighthouse.

The bell is hung in an open part of the belfry, facing seaward, and is 30 fee above high water mark; it will sound one stroke every fifteen seconds.

Four buoys have been established in the neighbourhood of Baynes Sound, Gul of Georgia.

A steam fog-alarm building is being erected at Point Atkinson light static under contract with Mr. Arthur Kenny, of Victoria, for the sum of $1,800. Tw Neptune fog-alarms, manufactured by Messrs. Carrier, Lainé & Co., of Lévis, Qu have been sent to this station, one of which will be put in operation on the cor pletion of the building. The other will be held in readiness for operation wh the first trumpet is out of order.

The lighthouse at East Point, Saturna Island, was completed last August, a the light was put in operation on the 1st January, 1888.

The total cost of maintaining the lights in the Province of British Colum for the fiscal year ended 30th June last, was $16,230.43, and the expenditure construction was $321.84.

The following new lightkeepers have been appointed in the Dominion, during ıe calendar year ended 31st December, 1887:—

LIGHTS ABOVE MONTREAL.

Name of Keeper.	Name of Station.	Date of Appointment by Order in Council, or Departmental letter.	Salary per Annum.	Remarks.
		1887.	$	
ıomas Graham.....	Deschênes Rapids.....	Mar. 18...	100	Succeeded M. Murphy, deceased.
ɔbert Lowe.	Thornbury.....	April 12...	60	New Light.
harles P. Mongeon.	Way Shoal, Templeton.....	May 23...	100	Succeeded A. Mongeon, resigned.
llan Collins.....	Hope Island, Georgian Bay.....	do 23...	450	Succeeded Charles Tizard, deceased.
. J. Pim....	Caribou Island.....	do 23...	500	Succeeded Robert May, resigned.
ɔbert Barr...	South River and South East Bay Lake Nipissing.	do 23...	120	New lights.
ıs. McCool, sen.....	Fort William, Beacon Light.....	do 23...	90	do
ıs. Kennedy.....	Lower Narrows.....	do 23...	100	do
ɔhn Cox, jun.....	Morrison's or Hawley's Island...	June 22...	100	Succeeded John Tario, removed from locality.
'. J. Malott.....	Kingsville Range Lights.....	Sept. 9...	50	Light assumed by Government.
ɔhn H. Davis.....	Gananoque Narrows and Jack Straw Shoal.	Nov. 8...	480	Succeeded Joseph Legge, resigned.

LIGHTS BETWEEN MONTREAL AND QUEBEC.

apoleon Fugère....	Batiscan, No. 2.....	Jan. 10...	80	Succeeded Joseph Marchand, deceased.
lorent Laliberté.....	Ste. Emelie Range Light.....	Mar. 31...	80	Succeeded his father.
esiré Lafléche.....	Lake St. Peter Lightship No. 1.	April 12...	400	Succeeded Olivie Auger, superannuated.
os. Bettez....	do do No. 3.	May. 23...	400	Succeeded A. Magnon, superannuated.
os. Shand.....	Ash and Bloody Islands.....	June 22...	200	Succeeded Ira W. Hammond, superseded.
ulie Blais.....	L'Islet, Richelieu.....	Nov. 8...	150	Succeeded Miss C. Blais, deceased.

BELOW QUEBEC.

. B. Desjardins	Kamouraska.....	Aug. 23...	350	Succeeded T. R. Desjardins, deceased.

NEW BRUNSWICK.

ebulon Jones	Oak Point, St. John River.....	May 23...	80	Succeeded W. McLeod, resigned.
awrence Blakeley..	Harper's Point, Miscou Harbour	Sept. 9...	75	New light.
obt. McConnell.....	Miscou Gully.....	do 9...	75	do

APPOINTMENTS made in the Keepership of Lights, &c.—*Concluded.*

NOVA SCOTIA.

Name of Keeper.	Name of Station.	Date of Appointment by Order in Council, or Departmental letter.	Salary per Annum.	Remarks.
		1887.	$	
Jas. C. Kirkpatrick.	Cape D'Or	Jan. 10...	500	Succeeded A. T. Rand, superannuated.
Adam McCullough...	Apple River	do 10...	250	Succeeded Jas. Tate, deceased.
John Early	Margaretsville	Feb. 19...	230	Succeeded Wm. Early deceased.
Thos. Donovan.	Ingonish Harbour	Mar. 18...	140	New light.
James Wambolt	Sheet Harbour Passage	May 11...	50	do
Jas. Sullivan	Cranberry Island	do 23...	800	Succeeded Jas. Lepper, resigned.[1]
Nelson Turnbull	Digby Pier	June 22...	60	New light.
Henry Hawbolt	Beaver Point	Nov. 22...	100	do

PRINCE EDWARD ISLAND.

George Green	Miminegash, Range Lights.	June 15...	100	New light.
C. A. McDonald	St. Andrew's Point	July 18...	100	Succeeded J. Wightman, deceased.

BRITISH COLUMBIA.

John B. Wick	East Point, Saturna Island	Sept. 3...	500	New light.

OIL.

Contracts were entered into in March last with the Imperial Oil Company, of Petrolea, Ont., and M. J. Woodward, of Petrolea, for the supply of petroleum required for lighthouse purposes, and oil was delivered at the following rates, viz. 24 cents per gallon at Halifax and Pictou; 23½ cents at St. John; 22 cents at Quebec; 21¾ cents at Montreal and 20½ cents at Hamilton and Goderich. By the terms of the contract the oil is required to be delivered in new square cases of the best brand of heavy tin, containing each 4 or 5 Imperial gallons, every two cans to be enclosed in a wooden case. The cost of the packages is included in the prices above given. The oil is required to be of the best quality of double distilled standard white, extra-refined petroleum, free from acid or other impurities, to weigh, at 62° Fah. not less than 7·85 nor more than 8 lbs. per gallon; to withstand a flash test of 115° Fah., by the standard pyrometer, and in all other respects to

comply with the requirements of the Petroleum Inspection Act, 1880, and its amendments.

The quantity supplied to the lights above Montreal during the past fiscal year was 21,923 gallons; to the lights in the Quebec district, 28,603 gallons; to the Nova Scotia district, 28,952 gallons; to the New Brunswick district, 26,614 gallons; to the lights in Prince Edward Island, 5,052 gallons, and to lights in British Columbia, 2,082 gallons, making in all 113,226 gallons.

DOMINION STEAMERS.

The steamers under the control of this Department consist of the screw steamer "Napoleon III"; the "Druid," paddle wheel; the "Newfield," screw; the "Lansdowne," screw; the "Northern Light," screw; the "Bayfield," screw, and the small steam launch "Dolphin," employed at Quebec in connection with the River Police Force.

The steamer "Napoleon III" was employed during past season in supplying the lights in the Gulf of St. Lawrence, Straits of Belle Isle and Baie des Chaleurs, and made two trips for the purpose. During the past season this vessel has been fitted with a complete pair of compound engines, boilers, &c., which belonged to the wrecked steamship "Fylgia," and were found perfectly suitable for the requirements of the "Napoleon." The boilers and engines were almost new, and the cost, including the removal of the old boiler and machinery and fitting up the new amounted to $18,000. The vessel has also been repaired and strengthened, and other improvements made have effected a large saving in the consumption of coal and have also added to her speed and carrying capacity.

The steamer "Druid" was employed during the past season in attending to the lighthouse and buoy service in the River St. Lawrence both above and below Quebec. The new boiler put in this vessel last year and the other improvements effected, have given much satisfaction and added largely to the usefulness of the vessel.

The steamer "Newfield" was employed during the last season in attending to the buoy, lighthouse and fog alarm service on the eastern coast of Nova Scotia, in repairing the telegraph cable at Bird Rock and Ingonish, supplying the north shore lights in New Brunswick, and also several light stations in the Gulf of St. Lawrence and Bay of Fundy.

The steamer "Lansdowne" was employed in lighthouse and buoy service in New Brunswick and also supplied the lights and fog-alarms on the western coast of Nova Scotia. She was also engaged for a short period lately in the winter service between Prince Edward Island and the mainland, but having been found unsuitable was withdrawn.

The "Northern Light" was employed, as usual, in maintaining communication between Prince Edward Island and the mainland. She commenced service on the 21st December, 1886, and made twenty-one round trips between Charlottetown and Pictou and Georgetown and Pictou until 4th February, when she was forced by the ice to lay up at Souris. On the 6th April she resumed her trips between Georgetown and Pictou and continued till the 5th May, making seventeen additional round trips. The earnings of this vessel during the year amounted to $4,951.30.

The steamer "Neptune" was chartered by the Department to assist the "Northern Light" in maintaining winter communication with the mainland, and made nineteen round trips between the 11th December and the 4th February, 1887, when owing to the condition of the ice, it was found necessary to withdraw her from the service. The sum of $13,197.98 was paid the owners of the "Neptune" for the services of the vessel, and her earnings amounted to $1,250.99.

The steamer "Sir James Douglas," stationed at Victoria, B.C., was employed in attending to the light and buoy service in that Province, and was also employed on account of the Indian Reserve Commission. The vessel is in good condition, but will require some repairs to fit her for next year's service.

The "Bayfield" is a wooden steamer of 150 tons gross and 94 tons register, and is employed for the purposes of the survey of the Georgian Bay.

The amount expended during the fiscal year ended 30th June last, as will be seen by reference to Appendix No. 11, for the maintenance of "Napoleon III" was $27,241.81; of the "Druid" $23,754.11, of the "Newfield," $29,054.33; of the "Lansdowne" $14,337.23; of the "Northern Light," $14,132.37; of the "Sir James Douglas" $12,039.40, and of the "Neptune" $18,909.78, making an entire expenditure of the sum of $142,936.15.

HARBOUR POLICE.

A police force has been established for a number of years past at the harbours of Montreal and Quebec, for the purpose of keeping order among the shipping and restraining crimping, and a tonnage duty of three cents per ton register is imposed under the provisions of Chapter 90, Revised Statutes, on every vessel entering at Quebec or Montreal. Vessels of 100 tons register or less are required to pay this duty once in each calendar year, and vessels of more than 100 tons twice in each year.

QUEBEC.

The River Police Force at Quebec, under charge of Mr. B. Trudel, was sworn in for duty, as customary, on 1st May last and constituted as follows, viz.: The chief constable, who is also shipping master for the port of Quebec, at a salary of

$1,500 for the joint offices; one deputy chief constable at $2.40 per diem; five boxswains, each at $1.90; 27 constables at $1.50 per diem, and two engineers at $50 each, per month, making in all, 36. From the report of the chief it appears that the Force discharged their duties to the satisfaction of the shipping interests of the port, but that crimping prevailed to a considerable extent. From the statement appended to the annual report of the chief, which appears in the supplement to this report, it appears that during the season 363 arrests were made for desertion, drunkenness and other causes, being 46 less than reported last year.

The total amount expended in connection with the maintenance of the Quebec River Police for the fiscal year ended 30th June last was $22,935.65, while the dues collected during the same period amounted to $12,483.48, showing a deficiency of $10,452.17.

A detailed statement of this service showing the amount paid for maintenance of the force, police steamer and contingencies will be found in Appendix No. 26 to this report.

MONTREAL.

The force at Montreal, which is under the charge of Mr. H. St. A. Ormond, inspector, who also holds the position of Agent of the Department, consisted during the season of one chief constable, with a salary of $3 per diem; five sergeants at $1.90 per diem; one caretaker at $1, and 31 constables at $1.50 per diem, making a total, including the inspector, of 39. The inspector and agent receives a salary of $1,400 per annum. A portion only of the force was taken on at the beginning of the season, and additions were made, as the arrival of shipping rendered it necessary.

The Inspector reports that during the months of May and June, there were several attempts at strikes on the part of ship labourers, which were prevented by the timely interference of the police. The annual returns show that 615 persons were arrested during the year, including seamen who received protection, and those placed on board their vessels after temporary confinement.

The total expenditure on account of this service at Montreal, during the fiscal year, amounted to $17,413.47, and the harbour police dues collected to $10,450.98, showing an excess of expenditure over receipts of $6,962.49.

The total amount expended during the fiscal year at Quebec and Montreal, on account of harbour police services, was $40,349.12, and the amount collected was $22,934.46, showing an excess of expenditure over receipts of $17,414.66.

The receipts and expenditure on account of this service during the past 18 years are as follow, viz.:—

			Receipts.	Expenditure.
For fiscal year ended 30th June,		1870.....	$23,996 68	$18,461 83
do	do	1871.....	21,235 06	17,400 73
do	do	1872.....	27,215 80	20,348 00
do	do	1873.....	26,618 50	32,653 87
do	do	1874.....	28,650 39	38,897 52
do	do	1875.....	25,620 09	37,895 00
do	do	1876.....	26,499 09	41,222 68
do	do	1877.....	28,598 10	35,006 37
do	do	1778	26,702 43	37,560 14
do	do	1879.....	21,464 97	36,486 50
do	do	1880.....	21,510 15	35,225 54
do	do	1881.....	27,375 09	35,451 07
do	do	1882.....	21,420 33	42,316 56
do	do	1883.....	28,060 02	38,318 65
do	do	1884.....	28,497 25	41,980 72
do	do	1885.....	20,698 79	38,082 92
do	do	1886.....	24,089 97	43,916 57
do	do	1887.....	22,934 46	40,349 12
			$748,614 30	$792,587 59
Deduct receipts from expenditure.....				$748,614 30
Excess of expenditure over receipts.....				$ 43,973 29

SICK AND DISTRESSED MARINERS.

Under the provisions of Chapter 76, Revised Statutes, a duty of two cents per ton register is levied on every vessel arriving in any port in the Provinces of Quebec, Nova Scotia, New Brunswick, Prince Edward Island, or British Columbia, the money thus collected forming "The Sick Mariners' Fund." Vessels of the burden of 100 tons pay the duty once in each calendar year, and vessels of more than 100 tons three times in each year.

By an amendment to this Act, passed at the last Session of Parliament, 50–51 Vic., chap. 40, it is provided that no vessel which is not registered in Canada, and which is employed exclusively in fishing or on a fishing voyage, shall be subject to the payment of this duty.

The receipts for the fiscal year ended 30th June last amounted to $42,334.92 being an increase, as compared with the receipts of the preceding year, of $1,486.87.

The Sick Mariners' Act does not apply to the Province of Ontario, and consequently no dues are collected from vessels in that Province, and no expenditure incurred on account of sick seamen. For a number of years past, however, a grant has been made by Parliament of $500 to the General Hospital at Kingston. and a similar amount to the General and Marine Hospital at St. Catharines, for the care of such seamen as may be received.

In the Province of Quebec, the expenditure on account of the sick and distressed seamen, including the total expenditure for the Marine and Immigrant Hospital at Quebec, amounted to $24,067.10, as will be seen by reference to Appendix No. 18. Of this sum, $354.62 was expended on account of shipwrecked and distressed seamen, and $1,756.42 for sick seamen at ports other than those of Montreal and Quebec.

At the Port of Montreal, sick seamen are cared for at the General Hospital and Notre Dame Hospital, under an arrangement made by the Department, by which ninety cents per diem is paid for the board and medical attendance of each seaman. The amount paid the Montreal General Hospital during the past fiscal year was $1,403.10, and Notre Dame Hospital $846. The sick mariners dues collected during the same period at the Port of Montreal amounted to $3,150.80.

At the Port of Quebec, sick seamen are cared for at the Marine and Immigrant Hospital. The sum of $20,000 was appropriated by Parliament for the maintenance of this hospital, and the expenditure, as shown by appendix No. 17. amounted to $19,706.96. A grant of $1,866.67 was received from the Government of Quebec, and the sum $219 for rent of beach lots, board of patients, &c., making the total amount deposited to credit of the Receiver General $2,085.56, thus reducing the cost of maintenance to the Government of the Dominion to $17,621.29. In this sum the cost of maintaining sick immigrants as well as seamen is included, and estimating the cost of immigrants, of whom fifty-four were treated and remained in hospital 967 days at $1,301.93, the cost of sick seamen would amount to $16,319.36. By reference, however, to the report of the resident physician, it appears that during the past fiscal year, out of 548 patients admitted, 185 were seamen having 3,249 days' treatment; 54 were immigrants having 967 days' treatment, and 309 were residents of Quebec having 8,872 days' treatment, thus showing, as stated in former reports, that the amount contributed by the Government of Quebec, viz., $1,866.67 towards the support of residents in the hospital is altogether inadequate. A fair proportion of the cost of this institution for the past fiscal year would be as follows, viz.:—For seamen, $4,892.10; for immigrants, $1,456.05; and for residents, $13,358.81. Taking the total number of days' treatment of patients during the year as 13,088, the cost per diem of maintaining each patient amounts to a little over $1.50.

The sick mariners dues collected at the Port of Quebec during the last fiscal year amounted to $8,041.64, being $654.46 less than the previous year, and the total collections in the Province of Quebec, for the same period, amounted to $13,667.20, being $320.86 less than the previous year. The expenditure for sick and distressed seamen at the different ports in Quebec, estimating the actual charge to the fund for the Marine Hospital at Quebec at $17,621.29 amounts to $21,981.18, showing an excess of expenditure over receipts of $8,314.23.

The expenditure on account of sick and distressed seamen in the Province of New Brunswick for the last fiscal year amounted to $9,242.26 and the receipts to $8,176.27. Marine hospitals have been established for a number of years at the Ports of St. John, St. Andrews, Miramichi, Richibucto, Bathurst and Sackville, and details of the expenditure of these hospitals will be found in Appendix No. 18. The collections at the Port of St. John for the Sick Mariners' Fund for the last fiscal year amounted to $4,482.56, and the cost of maintenance of the Marine Hospital amounted to $4,276.50.

In the Province of Nova Scotia, Marine Hospitals are established at the Ports of Yarmouth, Pictou, Sydney, Lunenburg and Point Tupper. At Halifax, provision is made for the care of sick seamen at the Provincial and City Hospital, under arrangements made with the managers by which the sum of 90 cents per diem is allowed for board and medical attendance of each seaman. The sum of $6,538.74 was collected at Halifax as sick mariners' dues for the past year, and the sum paid the Provincial and City Hospital amounted to $3,039.30. At ports in Nova Scotia were no hospitals are established, sick seamen are cared for under the direction of the Chief Officers of Customs, and details of this expenditure will be found in Appendix No. 18. The total expenditure for sick, disabled and distressed seamen in Nova Scotia for the past fiscal year amounted to $10,843.71 and the receipts to $16,010.27, showing an excess of receipts over expenditure of $5,166.56.

In the Province of Prince Edward Island the expenditure on account of sick, disabled and distressed seamen for the last fiscal year amounted to $1,208.11 and the receipts to $629.86. Sick seamen at Charlottetown are cared for under an arrangement made with the managers of the Charlottetown Hospital. The amount paid the hospital under this arrangement for the last fiscal year was $780.36.

In the Province of British Columbia the sum of $4,275.54 was expended during the year, and the receipts amounted to $3,851.32.

During the past fiscal year, the sum of $2,146.32 was paid to Her Majesty's Government to re-imburse expenses incurred in caring for shipwrecked and distressed Canadian seamen at foreign ports. The total expenditure by this Department an account of sick, disabled, shipwrecked and distressed seamen during the past fiscal year, including the grant of $500 to each of the hospitals at St. Catharines and Kingston, and the entire expenditure on account of the Marine

Hospital at Quebec, amounted to $52,262.21, being $2,918.75 more than the previous year, and $9,737.79 less than the amount appropriated by Parliament for this service. It will be seen however, that as the entire collection of sick mariners dues amounted only to $42,334.92, the excess of expenditure over receipts is $9,927.29, but should a deduction be made of a fair proportion for maintaining residents of Quebec and immigrants in the Marine Hospital at Quebec, which amounts as above stated to $14,814.86, the expenditure would amount to $37,447.35 and the receipts would overbalance the expenditure by the sum of $4,887.57.

The receipts and expenditure in connection with this service during the preceding nineteen fiscal years are as follow :—

	Receipts.	Expenditure.
For fiscal year ended 30th June, 1869.....	$ 31,353 78	$ 26,987 64
do do 1870.....	31,410 46	27,029 34
do do 1871.....	29,683 41	28,971 22
do do 1872.....	34,911 64	38,947 60
do do 1873.....	37,136 10	41,016 43
do do 1874.....	41,500 16	59,778 90
do do 1875.....	37,801 46	50,684 76
do do 1876.....	41,287 66	48,828 49
do do 1877.....	43,739 21	51,647 94
do do 1878.....	44,665 07	43,780 99
do do 1879.....	37,779 57	42,729 36
do do 1880.....	42,523 20	42,160 91
do do 1881.....	49,779 72	40,667 52
do do 1882.....	45,951 47	39,359 11
do do 1883.....	47,573 42	36,249 65
do do 1884.....	48,667 07	39,553 58
do do 1885.....	39,068 39	44,501 57
do do 1886.....	40,848 05	40,377 62
do do 1887.....	42,334 92	37,447 35
	$768,014 76	$780,719 98
Deduct receipts from expenditure.....		768,014 76
Balance to debit of fund.....		$ 12,705 22

STEAMBOAT INSPECTION.

The annual report of the Chairman of the Board of Steamboat Inspection for the year ended 31st December last, will be found in the Supplement to this report, together with statements showing certificates granted to engineers; steam vessels

inspected and not inspected; number of passengers allowed to be carried; steam vessels added to list, and steamers lost or laid up, or rendered unfit for service during the year.

By Order in Council of the 7th April last, certain amendments were made to the revised rules and regulations, for the conduct of Steamboat Inspectors, and for the inspection of steamboats, approved by Order in Council of 6th July, 1886. These amendments were duly published in the *Canada Gazette.*

The amount received during the past fiscal year on account of tonnage dues, inspection of steamboats and certificates to engineers was $12,701.20, of which sum $11,630.20 was for tonnage dues and inspection fees, and $1,071 for certificates to engineers. This shows a decrease as compared with the previous years of $1,386.56 The expenditure, as will be seen by reference to Appendix No. 24, amounted to $22,837.80, and the deficiency will amount to $10,136.60. As the expenditure, on account of steamboat inspection, is now considerably in excess of the receipts, it will be a matter for consideration, as to whether the duty fixed by the Governor in Council, as provided by the 46th Section of the Act, to be paid on the tonnage of steamboats should not be increased. The rate, as now fixed, is four cents per ton, and the Act provides that it shall not exceed ten cents for every gross ton which a steamboat measures.

Previous to the Steamboat Inspection Act of 1886 coming into operation, engineers' certificates were issued by the Chairman of the Board of Inspection and signed by him and renewed yearly. The Act of 1886 provided that all engineers' certificates should, for the future, be signed by the Minister of Marine, and should be for life or during good conduct, and that certificates in force on the 2nd day of June, 1886, could be delivered up by the holder thereof to the Minister and receive in return a certificate for life on the payment of a fee of one dollar. Under this provision 768 certificates were exchanged up to the 31st December last, in addition to the certificates exchanged, 63 certificates were issued to applicants who passed an examination before the Board of Examiners, making a total of 831 engineers' certificates issued during the calendar year of 1887 of the following grades, viz.:—

1st Class Certificates	.....	49
2nd do	.....	219
3rd do	.....	486
4th do	.....	77

The total number of steamboats in the Dominion is given in the returns of the chairman as 1,031, with a gross tonnage of 174,896 tons. Of this number 307 belonged to the West Ontario, Huron and Superior Division; 129 to the Kingston Division; 148 to the Montreal Division; 154 to the Quebec Division; 153 to the

Maritime Provinces; 61 to Manitoba, Keewatin and North-West Territories, and 79 to British Columbia.

During the year 81 steam vessels, with a gross tonnage of 3,426 tons, were added to the list, and 48 broken up, lost or otherwise put out of service.

A statement of casualties to steamboats will be found in the report of the Chairman.

It will be seen by the following comparative statement of receipts and expenditure on account of steamboat inspection for the past eighteen years, that during that period the entire expenditure ($255,229.39) exceeded the receipts ($250,751.65) by the sum of $4,477.74, which remains as a balance to debit of fund :

			Receipts.	Expenditure.
For fiscal year ended	30th June,	1870.....$	12,521 29	$ 7,399 18
do	do	1871	10,369 96	8,321 00
do	do	1872.....	11,710 43	8,500 00
do	do	1873.....	15,412 75	11,205 54
do	do	1874.....	15,603 19	10,291 58
do	do	1875.....	15,011 90	12,199 81
do	do	1876.....	13,811 24	13,081 86
do	do	1877.....	15,859 42	13,073 01
do	do	1878.....	12,431 25	13,228 28
do	do	1879.....	12,331 16	13,076 46
do	do	1880.....	15,424 02	11,854 34
do	do	1881.....	16,905 49	12,211 65
do	do	1882.....	15,277 78	14,835 97
do	do	1883.....	12,577 36	16,209 02
do	do	1884.....	15,371 79	21,893 28
do	do	1885	13,343 66	23,235 04
do	do	1886.....	14,087 76	21,775 57
do	do	1887.....	12,701 20	22,837 80
			$250,751 65	$255,229 39
Deduct receipts from expenditure.....				250,751 65
Balance to debit of fund.....				$ 4,447 74

CERTIFICATES TO MASTERS AND MATES

The report of the chairman of the Board of Examiners of Masters and Mates of sea-going ships, for the calendar year ended 31st December, 1887, will be found in the Supplement to this report.

During the past calendar year, as will be seen by reference to the report in supplement, the Board of Examiners have held meetings for the examination of candidates at the ports of Halifax, N.S., St. John, N.B., Quebec and Yarmouth, N.S.

At the port of Halifax eleven meetings were held, twelve at St. John, two at Quebec, and eleven at Yarmouth.

At Halifax the number of masters who succeeded in passing and obtaining certificates of competency was nineteen, the number of mates twenty-nine, the number of second mates four, while eight failed to pass as master, twelve as mate and three as second mate.

At the port of St. John, N.B., eighteen passed for the grade of master, fifteen for mate and five for second mate, while seven failed to pass for master and thirteen for mate. At the port of Yarmouth, N.S., seventeen passed for the grade of master, sixteen for mate and one for second mate, while two failed to pass for master and eleven for mate. At the port of Quebec three passed for the grade of master and one for second mate. One applicant from Victoria, B.C., for a master's certificate failed to pass.

It will thus be seen that during the past year out of seventy-five candidates that presented themselves at the ports named for examination as masters fifty-seven succeeded in passing and eighteen failed, and that out of one hundred and ten that applied for examination as mate seventy-one passed and thirty-nine failed.

The number of candidates who have passed and obtained master's certificates of competency since the Act went into operation, viz., 16th September, 1871, to the 31st December, 1887, is 1,571, and the amount paid for these certificates, at the rate of $10 each, $15,710. During the same period 1,026 candidates received certificates of competency as mate, and the amount paid, at the rate of $5 each, was $5,130.

In the Supplement referred to a list will be found of all who have obtained certificates of competency and service, either as master or mate, during the year ended 31st December, 1887.

During the calendar year four certificates of service for the grade of master and two for that of mate have been granted. The total number of certificates of service issued since the Act came into operation is 926 for the grade of master and 360 for that of mate, making a total of 1,286 certificates of service granted. These certificates, as stated in previous reports, are granted to masters and mates who are unable or unwilling to undergo examination for certificates of competency and who have held situations as masters and mates previous to 1st January, 1871, and can produce certificates of experience and general good conduct. The fee charged for certificates of service is at the rate of $5 for master and $3 for mate.

The fees received on account of certificates of competency and service during the fiscal year ended 30th June last was $1,209; and the amount, in detail, expended on account of this service, as will be seen by reference to A ppendix No. 1 to this report, was $4,855.98.

A list of certificates cancelled during the last calendar year will also be found in the Supplement to this report.

The following statement shows the receipts and expenditure on account of this service since the Act came into operation, viz.:—

			Expenditure.	Receipts.
For fiscal year ended 30th June,		1871.....	$1,410 45	$.....
do	do	1872.....	4,312 07	1,344 00
do	do	1873.....	6,466 18	4,963 00
do	do	1874.....	4,520 19	2,995 00
do	do	1875.....	5,696 62	2,715 00
do	do	1876.....	4,672 08	2,021 87
do	do	1877.....	4,050 00	1,740 50
do	do	1878.....	4,249 76	1,296 50
do	do	1879.....	4,250 12	1,334 50
do	do	1880.....	4,253 43	1,547 00
do	do	1881.....	3,888 41	1,333 50
do	do	1882.....	3,965 19	1,152 50
do	do	1883.....	4,021 20	1,314 00
do	do	1884.....	3,909 59	1,387 50
do	do	1885.....	4,324 15	1,647 00
do	do	1886.....	5,245 28	1,284 00
do	do	1887.....	4,855 98	1,209 00
			$74,090 70	$29,284 87
Receipts.....			29,284 87	
Excess of expenditure over receipts.			$44,805 83	

INLAND AND COASTING CERTIFICATES.

During the last calendar year the number of candidates who have passed and obtained masters' certificates of service was 101, and the amount paid for these certificates, at the rate of $4 each, was $404. During the same period 34 candidates received certificates of service as mate, and the amount paid, at the rate of $2 each, was $68, while 1 failed. The number of candidates who succeeded in

passing for certificates of competency as masters was 66, and the amount paid for these certificates, at the rate of $8 each, was $528, while 5 failed. Twenty mates obtained certificates of competency, and the amount paid for the same, at the rate of $4 each, was $80, while 3 failed. The amount received for renewed certificates of competency and service was $17, making a total of $1,097 received for masters and mates of inland and coasting certificates.

The amount voted by Parliament for certificates of competency and service to masters and mates of foreign sea-going, inland and coasting ships was $6,000, and the amount expended to 30th June, 1887, was $4,855.98, leaving an unexpended balance of $1,144.02, which reverted to the Treasury.

An enquiry was held at Toronto as to the cause of the collision between the steamers "Queen City," "Sadie," and "Gertrude," in Toronto Harbour, which resulted in the suspension of the certificates as master, of Alexander Martin, Samuel McCaig and James McSherry, till the 1st of August, 1888.

WRECKS AND CASUALTIES.

The total number of casualties to British, Canadian and foreign and sea-going vessels reported to the Department as having occurred in Canadian waters, and to Canadian sea-going vessels in waters other than those of Canada, during the year ended 31st December, 1887, was 224, representing a tonnage of 112,846 tons register, and the amount of loss, both partial and total, to vessels and cargoes, so far as ascertained, was $1,102,628.

The number of lives lost in connection with these casualties was 25, viz., 6 in Canadian waters, and 19 in other waters than those of Canada.

The disasters reported to this Department as having occurred to vessels on the inland waters of Canada, and to Canadian vessels on American inland waters, during the year 1887, were 39, and the tonnage involved was 13,137 tons register. The number of lives lost was 21, and the amount of loss, both partial and total, to vessels and cargoes, so far as estimated, was $90,915.

When the Wreck Register was closed in 1886, a large number of casualties had been reported, of which the Department had not sufficient particulars to enable it to publish them in the list for that year. Returns have subsequently been received for many of these casualties, and a detailed list of them will be found in the Supplement to this report, These casualties have been added to those previously reported, with the result of largely increasing the totals for 1886.

COMPARATIVE STATEMENT of the losses reported to the Department since 1870.

—	Casualties.	Tonnage.	Lives Lost.	Damage.
				$
For the year ending 31st December, 1870	335	82,008	210	901,000
do do 1871	274	81,035	81	2,100,000
do do 1872	290	99,109	237	2,507,338
do do 1873	350	99,523	* 813	2,844,133
do do 1074	308	106,682	109	2,029,965
do do 1875	286	99,427	178	2,468,521
do do 1876	452	153,368	404	2,942,955
do do 1877	468	177,896	153	3,952,582
do do 1878	414	161,760	187	3,444,875
do do 1879	533	198,364	339	4,119,233
do do 1880	445	179,993	217	3,820,652
do do 1881	440	210,719	399	4,922,423
do do 1882	451	193,655	271	3,138,423
do do 1883	366	159,826	259	2,029,752
do do 1884	324	119,741	253	2,965,321
do do 1885	346	144,726	198	2,753,667
do do 1886	377	150,277	54	1,950,799
do do 1887	263	125,983	46	1,193,543

* Of this number, 545 persons were lost by the wreck of the steamship "Atlantic," on the 1st of April, 1873.

The steamer "Merimack," of Boston, 23 years old and 1,119 tons register, was totally lost on Little Hope Island, N. S., on the 10th July last while on a voyage from Halifax to Boston, and became a total loss. She was built of wood and was valued at $150,000. Most of the cargo was recovered. No lives were lost by this casualty.

The wooden ship "Muskoka," of St. John, N. B., 11 years old, 1,399 tons register, sailed from Java for Queenstown, Ireland, on the 1st June last, with a cargo of sugar crystals, and has not since been heard from. The vessel was valued at $26,000 and was classed in French Lloyds for 14 years. About 25 lives were lost by this casualty.

The wooden ship "Parthia," of St. John, N. B., 1,528 tons register, was abandoned in the Atlantic in September last, while on a voyage from London to New York, with a cargo of brick and cement, and became a total loss. The crew were rescued by a passing steamer and were landed at St. John's, Nfld. The "Parthia" was 13 years old, classed in French Lloyds and was valued at $25,000. The value of the cargo is unknown.

The iron ship "Duchess of Argyle," 1,699 tons register, of Liverpool, G. B., stranded on Vancouver Island, B. C., on the 3rd November, 1887, during a dense fog and became a total loss. The vessel was in ballast and proceeding from San Francisco to Burrard Inlet, B. C. She was valued at $30,000 and was classed at English Lloyds A 1, 100. She was owned by Messrs. W. and R. Wright, of Liverpool, G. B. No lives were lost by this casualty.

The schooner "Dionis," of Barrington, N. S., sailed from Lunenburg, N. S. to Porto Rico on the 19th August last with a general cargo and has not since been heard from. By this casualty 7 lives were lost. The vessel was 96 tons register, 6 years old and was valued at $2,000. She is supposed to have foundered in the gale of the 26th of August last.

The schooner "Maggie L," of St. John, N.B., 14 years old and 92 tons register, was totally wrecked at Salt Island, State of Maine, U. S., on the 13th December last, during a violent storm. By this casualty no lives were lost. She was valued at $1,500.

The wooden ship "Lotus," of Windsor, N.S., 13 years old and 462 tons register, was stranded at Long Island, State of New York, 3rd January last, during a fog, while on a voyage from Forwey, G.B., to New York, with a cargo of clay and became a total loss. She was valued at $13,000 and was insured for $11,000. The value of the cargo is unknown.

The fine wooden ship "Hudson," 3 years old, classed in French Lloyds, drifted ashore at the Island of Amblan, Archipelago of Malay, fell over and filled with water. She subsequently took fire and became a total loss. The crew escaped in the ship's boats. The vessel was 1,497 tons register tonnage, and was valued at $50,000 and was insured for $25,000. She had petroleum and a general cargo on board, the value of which is unknown. The vessel was on a voyage from Philadelphia to Japan. She was registered at St. John and was owned by Mr. Howard D. Troop of that city.

The wooden bark "Pohona," of Chatham, N.B., 6 years old and 796 tons register, collided with the steamship "Chattahoochee," in the Savannah River, United States of America, and was damaged to the extent of $20,000. No lives were lost by the accident.

The wooden ship "Thomas N. Hart," of Yarmouth, N. S., 1,460 tons register and 6 years old, sailed from New York on the 16th May, 1886, on a voyage to Shanghai with a cargo of 52,000 cases of petroleum. She was spoken on the 26th of the same month and has not since been heard from. By this casualty 25 lives were lost. The vessel was valued at $50,000 and was insured for $10,000. She was classed in French Lloyds.

The fine new wooden ship "Louise M. Fuller," of Yarmouth, N. S., sailed from New York for Liverpool, G. B., on the 1st December, 1886, with a cargo of petroleum. She encountered heavy weather and sprang aleak. The crew worked at the pumps until worn out. The master and crew were taken off by the steamship "Fulda" and were taken to Southampton. The vessel was valued at $60,000 and was insured for $33,000. She was classed in French Lloyds. No lives were lost by this casualty. The master set the vessel on fire before abandoning her.

No wrecks occurred on Sable or St. Paul's Islands during last year.

The barge "Oriental," of Kingston, 328 tons register, left the port of Charlotte, U.S., on the 23rd of October last, with a cargo of coal 650 tons in weight, in tow of the steam tug "Scotia." The vessel was 21 years old and was probably worth $1,000. Her crew consisted of a captain, who held a certificate of service as master, a mate who was an uncertificated man, and two deck hands. There was also a woman cook on board. The vessel encountered very heavy weather, and when about three miles off Port Dalhousie, the tow line parted. The "Oriental" went down with all on board, and the "Scotia" made for the port of Niagara, which she reached in safety. An investigation was held by Mr. Samuel Risley, Chairman of the board of Steamboat Inspection, into the cause of the loss of the vessel, from which it appears that the vessel was overladen, and that the condition of her hull and equipment was not such as would warrant her undertaking the voyage, with 650 tons of cargo, at that season of the year. She was also insufficiently manned.

The propelier "California," of Montreal, left Chicago for a port in Canada on the 1st October last, with 3 passengers and 22 of a crew. She had on board 20,000 bushels of corn and 696 barrels of pork on deck. On the morning of the 23rd she encountered very heavy weather and commenced to leak; the cargo also shifted and increased the difficulty of steering the vessel, to such an extent that she would not answer her port helm. The violence of the waves drove in the anchor shutter, and the vessel shipped a great deal of water through the opening. The leak continued to gain and put out the fires, leaving the vessel at the mercy of the wind and waves, and she finally foundered on the night of the 3rd October off St. Helen's Island, towards which the vessel was drifting. The vessel was built in 1873, and was cut in two and had 35 feet added to her length in 1883. She was 900 tons gross and 580 tons register tonnage. By this casualty 7 of the crew and 2 of the passengers were lost, although the vessel had four boats, which left her when she foundered, with a few persons in each. No effort appears to have been made by the master or mate to get the passengers and crew into the boats, which were ready for about thirty minutes before the vessel went down. The vessel was valued at $27,000, and was insured for $21,000. An enquiry was held at Toronto by Capt. Ths. Harbottle, Inspector of Hulls, and Mr. W. J. Meneilley, Steamboat Inspector, into the causes which led to this disaster. The evidence which was taken was transmitted to the Minister of Marine and Fisheries, who, after carefully considering the same, suspended the certificates of the master and mate; the former until the 1st October and the latter until the 1st August, 1888.

SHIPPING MASTERS AND SHIPPING OF SEAMEN.

In the Supplement to this report will be found a statement showing the returns received from the Shipping Masters appointed under the Act relating to the shipping of seamen, for the half years ended 30th June and 31st December last, and of the fees received under the Act.

The following is a summary of the reports received from the Shipping Masters at some of the principal ports of the Dominion :—

The Shipping Master at St. John shipped during the year 3,910 seamen and discharged 2,700, and received as fees the sum of $2,765, out of which he paid to deputy and for incidental expenses the sum of $1,080.11, leaving the net income of this office $1,684.89.

The Shipping Master at Halifax shipped during the year 2,651 seamen, and discharged 1,933, for which he received $1,905.40, out of which, after deducting expenses, he had as remuneration for his services $928.40.

The Shipping Master at Montreal shipped during the year 897 seamen and discharged 1,756, and received as remuneration, after payment of expenses, the sum of $780.30.

At the Port of Quebec the total number of seamen shipped during the season was 798, of which number 184 belonged to British vessels, 473 to Dominion and 141 to foreign vessels; 279 were discharged, of which 74 belonged to British and 205 to Dominion vessels. The total receipts during the calendar year amounted to $580.80, and after deducting the amount of incidental expenses, $560.80 reverted to the Treasury.

At Yarmouth 671 seamen were shipped, 569 discharged, and fees to the amount of $506.20 collected.

At Lunenburg 760 seamen were shipped, 815 discharged, and fees to the amount of $624.50 collected.

At North Sydney 238 seamen were shipped and 135 discharged, and fees to the amount of $506.20 collected.

PILOTAGE AUTHORITIES.

The report of the Harbour Commissioners of the Port of Quebec, who are by by-law, the Pilotage Authority for the District of Quebec, will be found in the Supplement to this report. The annual statement of the Decayed Pilot Fund, which is

under the conduct and management of the Corporation of Pilots, will be found in Appendix No. 31 to this report. From this statement it appears that on the 31st December last the Decayed Pilot Fund stood as follows :—

Money invested	$53,352 71
In Savings Bank	1,600 00
In Treasurer's hands	133 51
	$55,086 22
Deduct arrears of pensions due	306.71
	$54,779 51

The number of decayed pilots on the list is 54, and their pensions range from $47 to $110; 118 widows receive pensions ranging from $38 to $68, and 16 children pensions ranging from $10 to $15. The amount paid for pensions during the year amounted to $11,104.73; the percentage on contributions of pilots to the fund amounted to $8,484.89, and the sum of $3,073 was received for interest. The total receipts on account of the fund, including the balance from the preceding year, amounted to $13,394 24, and the expenses amounted to $11,660.73. The total receipts of the Corporation of Pilots for the past season, as given by the Secretary, amounted to $119,123.39, the expenses to $21,458.45, and the net dividend paid to each pilot on the active list was $618.13.

The number of pilots on the active list on the 31st December last was 161, being 2 less than reported last year, and the number of apprentice pilots was 22. Thirty pilots who had attained the age of 65 years were examined by the Pilotage Authority, before the opening of navigation, and all were found fit for duty and continued on the active list. Three pilots were pensioned, and seven tried on complaints of ship masters and others. In two cases the pilots were acquitted and in the others found guilty and punished, in one case by fine and in the others by suspension from duty. Of pilots on the active list, 32 were in the employ of steamship companies and in charge of Dominion steamers and light vessels. Two deaths are reported as occurring during the year. Three complaints were lodged against the pilotage service, and were duly investigated by the Commissioners.

The report of the Harbour Commissioners of Montreal, who are by law constituted the Pilotage Authority for this district, and possess the powers formerly vested in the Montreal Trinity House, will be found in the Supplement. A statement of the Decayed Pilotage Fund will be found in Appendix No. 39 to this report. The Commissioners report the fund is in its usual satisfactory condition, the net increase for the year being $1,974.98. The receipts for poundage amounted to $2,646.19, and from interest on investments, &c., to $2,399.32, and the disburse-

ments for pensions to $3,070.53. The fund now amounts to $45,266.22, and is invested as follows, viz: $38,000 in Montreal Harbour Debentures, $5,000 in City of Montreal Consolidated Fund, $2,108.92 in Savings Bank, and $157.30 in hands of Treasurer.

There are twenty two pensioners on the fund, viz.: four old pilots and eighteen widows, and during the year the pensions of old pilots was increased one-half and that of widows one-third. The number of pilots on the active list is forty-six, and their earnings amounted to $50,569.02. Of this amount $44,055.83 was received from British vessels, and $6,513.19 from foreign vessels. There are nineteen apprentice pilots on the list. Several casualties to vessels were reported during the year and investigations thereon were held by the Commissioners. In two of the cases the charges against the pilots were dismissed; in another the pilot was considered blameable, but as there was no sworn complaint, the Commissioners could not proceed further; and in another case, the pilot was found guilty and suspended for a year. No deaths or superannuations of pilots occurred during the year.

HALIFAX, N.S.

The returns received from the Halifax Pilotage Authority, show that the sum of $19,383.42 was received as pilotage dues, of which $14,537.56 was received from British and $4,845.86 from foreign vessels. The receipts for commission on pilotage collected, outward pilotage on ships having no pilot, cash on hand, &c., amounted to $6,325.25, while the expenditure, including payment of $1,000 to Commissioners for services, secretary's salary and other expenses, amounted to $2,587.42, leaving the sum of $3,737.83 to the credit of the Pilotage Fund. The sum of $182.50 was paid to families of deceased pilots, and the balance to the credit of the Superannuation Fund was $3,212.08. There are 302 pilots in this district and the earnings of each averaged $771.45.

ST. JOHN, N.B.

The returns of this district for the last calendar year show that the sum of $23,234.86 was received as pilotage dues, of which $12,451.04 was received from British and $10,783.82 from foreign vessels. The receipts from license fees and other sources amounted to $2,433.16 and the sum of $2,194.79 was expended in payment of pensions to pilots, the secretary's salary and other expenses. There are 34 licensed pilots in the district.

MIRAMICHI, N.B.

There are 30 licensed pilots in this district. The total number of vessels reported inwards and outwards were 280, of which 92 were British and the remainder foreign vessels. The total amount received from pilotage and other sources, was $9,202.60, and each pilot received out of the dues collected $291.27.

PICTOU, N.S.

There are 11 licensed pilots and 1 certificated master in this district. The sum of $3,258.73 was received as pilotage dues, of which amount $2,519.95 was received from British and $738.78 from foreign ships. The sum of $3,021.33 was paid to pilots, $200 to secretary for salary, which with other expenses made the entire expenditure $3,332.13. The amount received by each pilot last season ranged from $33 to $991.

SYDNEY, N.S.

There are 35 licensed pilots in this district, and 8 licensed masters; 622 vessels paid pilotage during the year, and dues received amounted to $12,641. The sum of $11,812.43 was paid to pilots, relief account, $204, commission to collectors, $624.57, Commissioners' expenses, $150, secretary, $100, making the entire expenditure, together with incidental expenses, $12,924.72.

In addition to the pilotage returns, above referred to, returns have been received from the pilotage districts of Bathurst, Charlotte, Buctouche, in New Brunswick; St. Mary's and Liscomb, in Nova Scotia; and Victoria and Esquimalt in British Columbia.

WHARVES, PIERS AND BREAKWATERS.

The piers under the control and management of this Department are the following:—

The piers at Goderich, Rondeau, Inverhuron, Morpeth, Kingsville, in the Province of Ontario; Rimouski, Rivière du Loup, Rivière Ouelle, Malbaie, Eboulements, L'Islet, Berthier, Trois Pistoles, Tadoussac, Anse St. Jean, St. Alphonse de Bagotville, Chicoutimi, Baie St. Paul, Crane Island, St. Jean d'Orleans, St. Laurent d'Orléans, Lacolle, the Cascades and Megantic, in the Province of Quebec; Maitland, Oak Point, Digby, Delap's Cove, East Bay, Meteghan River, Pickett's Wharf, Port Greville and Brooklyn, in the Province of Nova Scotia; Clifton, Hopewell Cape and Buctouche, in the Province of New Brunswick; Souris, Campbell's Cove, Annandale, North Cardigan, Lewis, Georgetown, Lambert's, St. Mary's Bay, Mink River, South River, Chapel Point, Montague, Stevens, Sturgeon, South Rustico, Pinette, Belfast, Port Selkirk, China Point, Vernon River, Pownal, Hickey's, Nine-Mile Creek, Victoria (Crapaud), Clifton, Wood Island, Hurd's Point, McGee, Higgin's Shore, West Point, Tignish Harbour and Kier's Shore, in the Province of Prince Edward Island. At the Port of Cow Bay, Cape Breton, N.S., the pier or breakwater, purchased under the provisions of the Act 37, Vic., chap. 18, is also under the management of this Department, and the tonnage dues imposed on vessels calling at the pier, and tolls for goods landed thereon, are collected by Mr. Archibald McKinnon, wharfinger.

By referring to Appendix No. 30, a statement will be found of the amounts collected from the wharves and piers under the charge of this Department. The amount collected was $6,985.77.

The following is a statement of the wharfingers appointed by Order in Council during the calendar year ended 31st December last, and of the remuneration to be allowed them:—

Name of Wharfinger.	Pier or Wharf.	Date of Appointment.	Salary.
Louis Leroux.....	The Cascades, Vaudreuil, P.Q.....	Jan. 30..	25 p. c. of tol collected.
Auguste Renaud.....	Buctouche, N.B.....	July 7..	25 p. c. of to collected.

HARBOUR COMMISSIONERS AND HARBOUR MASTERS.

In the Supplement to this report will be found reports of Harbour Commis sioners at Toronto, Montreal, Quebec, Three Rivers, Pictou and North Sydney, fo the year ended 31st December last.

The report of the Harbour Master at Toronto to the Commissioners shows tha the receipts for harbour dues during the past year, amounted to $8,559.68 an showed a decrease of $54.50 as compared with the previous year. The receipt from all sources amounted to $20,790.97, and the expenditure to $27,155.73. Th number of vessels arriving in port during the year was 2,019. Dredging was pe formed during the year, costing $17,589.36.

The report for the Harbour Commissioners for the port of Quebec show that the revenue arising from tonnage, import and export dues, wharf propert interest, &c., during the year amounted to $53,032.56, and shows an increase compared with the previous year of $4,917.79. Of the revenue received $15,081.' was tonnage dues, $10,104.45 for import, export and harbour dues, and $27,846.5 for revenue, fines, property, interest and other sources. The expenditure incl ding salaries of officials, interest and sinking fund on $723,000 harbour debenture repairs, property, expenses, printing, &c., amounted to $55,335.13, showing excess of expenditure over revenue of $2,302.57. The total value of the assets the corporation is given as $4,254,041.50, and the liabilities as $3,969,590.86.

The Commissioners report that the graving dock had been used by fo steamers during the past season, and that after one year's test it had given pro of the greatest solidity. The work of dredging in the wet dock progressed sat factorily during the season, but the south wall works have not progressed

rapidly as expected. During the past season the dredging of the Fly Bank Channel was resumed, and it is proposed to continue this work. Attached to the report of the Commissioners will be found a letter from Staff Commander Maxwell, of Her Majesty's Survey, in regard to the deposit of dredged material from the wet dock into the St. Lawrence, and also a report of the Harbour Master for the port of Quebec upon the same subject.

Attached to the report will also be found a report made by the solicitors of the Commissioners, in regard to the long existing restrictions to the loading and unloading of ships, caused by the action of the Quebec Ship Labourers' Benevolent Society. It will be seen by this report that while the Commissioners have not power by by-law or otherwise to regulate the cost of loading or unloading ships or regulating the rate of wages, the Commissioners have power to guarantee protection to ship masters and ship owners bringing vessels to their wharves, to hire persons to supervise the loading and unloading of vessels, and also power to engage as many persons as would be necessary for protection of their property, or of persons frequenting their wharves for business purposes from unlawful interference.

From the report of the Harbour Commissioners, Montreal, it appears that the receipts from all sources amounted to $656,574.95, and the expenditure to $831,789.93. The sum of $254,507.05 was received from wharfage on goods and tonnage dues, and $42,850.21 from local traffic, making the ordinary revenue $297,357.26, showing an increase as compared with the previous year of $16,210.74. The Commissioners state that the loss to harbour revenue from the coal vessels which discharged in the deep water basin of the Lachine Canal was about $17,000. The sum of $145,000 was received from the Dominion Government on account of new channel works, and $172,000 from sale of harbour debentures. The sum of $192,214.69 was expended on new channel operations, $99,187.22 on Government interest account, $115,730 as interest on debentures, $207,000 for redemption of debentures, $23,220.74 for harbour dredging, $70,634 for harbour repairs, $26,598.52 for harbour expenses management. From the Harbour Master's report it appears there has been an increase in the business of the harbour for the past year, the increase in sea-going traffic being 64 vessels and 61,074 tons, while the inland vessels show a decrease of 154 vessels and of 18,367 tons. The Commissioners report that upon the opening of the coming season of navigation they propose to proceed with the work of deepening the channel at Cap la Roche to 27½ feet at low water, for which a further grant of $325,000 was made by Parliament at its last Session.

The report of the Harbour Commissioners for Three Rivers will be found in the Supplement, together with a comparative statement of the trade and navigation of the port. The receipts for harbour and tonnage dues, wharfage and moorage

dues amounted to $5,182.41, and the expenditure for salaries and other expen and for construction account of wharves to $3,216.43. The sum of $3,270.44 w also paid as interest on $81,760.97 advanced by the Government.

The report of the Harbour Commissioners for the port of North Sydney will found in the Supplement, together with an account of receipts and disbursemen The receipts amounted to $1,640.08, making with cash on hand from previo year $1,990.33, and the disbursements amounted to $1,401.78. Of this sum $4 was paid as salary to the harbour master, $150 to the chairman for his servic $250 to secretary for salary, $82 to the treasurer as commission, and $210 interest on loan effected by the Commissioners. The Commissioners report th the blocks built on the North Bar have settled to such an extent as to render unsafe for vessels to discharge ballast, but that it is proposed to repair them ne season. The coal shipments show an increase of ten per cent. over 1886.

The report of the Harbour Commissioners for the port of Pictou, N.S., will found in the Supplement. The expenditure for the past year amounted to $867 and the Commissioners report a balance on hand of $3,809.86, and state that th contemplate building an addition to the West Wharf to give increased accommo tion to shipping.

The harbour master for the port of Halifax reports that he collected fees d ing the year from 846 vessels, dues to the amount of $1,718 and which he retain for expenses and remuneration of office.

In the Supplement will also be found reports from a number of harbour m ters at the more important ports, appointed under the Acts 35 Victoria, Chap. 36 Victoria, chaps. 9 and 63, and 37 Victoria, chap. 34, with a statement of the f collected by harbour masters during the year ended 31st December last, and also list of the harbour masters appointed under these Acts.

The following harbour masters have been appointed by Order in Council during the past year, viz:—

Name.	Port.	Date of Appointment.	Salary.	Remarks.
Jeremiah Bennett	Hillsboro', N. B.	Jan. 21...	$150 of fees.	*Vice* J. Shaughnessy, resigned
Chas. W. Hatfield	Tusket, N.S.	March 7...	100 do ...	*Vice* F. Hatfield, resigned.
Allen Durkee Payson	Westport, N. S.	do 8..	200 do ...	A new appointment.
Samuel Hingley	Tatamagouche, N.S.	do 18...	200 do ...	*Vice* W. Irving, deceased.
James E. Hatfield	Port Greville, N.S...	do 26...	200 do ...	Re-appointed. Had resigned in May 1883.
Albert Austin	Bear River, N.S.	April 4...	100 do ...	*Vice* Wm. F. Hennigar, deceased.
Ebenezer Palmer	Dorchester, N.B.	do 11...	200 do ...	*Vice* Joshua King, resigned.
E. Zwicker	Bay St. Lawrence, Co. Victoria, N.S.	do 21...	200 do ...	A new appointment.
George Rose	Musquash, N.B	May 16...	100 do ...	*Vice* S. Hayward, deceased.
W. A. Pickles	Mahone Bay, N.S.	do 16...	200 do ...	A new appointment.
John McGrath	St. Peter's Bay, N.S.	June 28...	200 do ...	*Vice* George Anderson, removed from the locality.
Peter Bourque	House Harbour, Magdalen Islands, P.Q.	Aug. 9...	200 do ...	A new appointment.
Louis Dickson	Louisburg, N.S.	Oct. 5...	200 do ...	*Vice* P. O'Toole, resigned.
James Grady	Summerside, P.E.I...	Nov. 7...	200 do ...	*Vice* R. Campbell, superseded.

METEOROLOGICAL SERVICE.

The annual report of the Meteorological Service by the Superintendent, Mr. Carpmael, forms Appendix No. 32 to this report. During the past year nine stations were added to the list and five ceased to observe. Nearly 1,100 warnings of approaching storms were issued and the number of verifications was particularly satisfactory, 972 having been verified out of 1,093 warnings issued. The sum of $55,000 was appropriated for this service, and expenditure, as will be seen by reference to Appendix No. 15, amounted to $50,890.44.

OBSERVATORIES.

The annual reports of the Directors of the Magnetic Observatory at Toronto, and the Observatories at St. John, Quebec, Kingston and Montreal are attached to the report on the Meteorological Service. By reference to Appendix No. 16 it will be seen that $5,250.30 was expended on the Magnetic Observatory at Toronto and $500 for each of the Observatories at Montreal and Kingston. The total expenditure on the Meteorological and Observatory Service for the past fiscal year was $57,140.74.

GEORGIAN BAY SURVEY.

The report of Staff Commander Boulton, R. N., as to the operations of the survey during the past season forms Appendix No. 28 to this report. The sum of

$18,000 was voted for this service last Session, making with previous votes, a tot appropriation of $102,000 for the service. The expenditure for the past fiscal yea as will be seen by reference to Appendix No. 25, amounted to $21,592.55, and th expenditure on account of this service has been as follows:—

Year	1882-3	$ 77 81
do	1883-4	26,745 54
do	1884-5	20,454 68
do	1885-6	17,759 36
do	1886-7	21,592 55
do	to 31st December, 1887	11,907 93
	Total expenditure to 31st December, 1887	$98,537 87

PORT WARDENS.

The report of the Port Warden for Montreal, transmitted by the Montrea Board of Trade, will be found in the Supplement. From the report of the Por Warden, it appears that 356 vessels, aggregating 601,692 tons, entered at his offic being eight vessels less than the previous year, but an increase of 9,557 in tonnag Of the vessels reported 296 were steamships aggregating 561,120 tons, and 6 sailing vessels with 40,842 tons. The shipment of grain decreased during the pas season, the quantity being 11,470,649 in 1887 as against 14,236,977 bushels i 1886. A considerable increase is reported in lumber, phosphates, butter, chees &c., over the previous year. No vessels were reported missing or lost during th season. The receipts of the Port Warden's Office for the year ended 31st Decembe last, amounted to $10,528.47, and the expenditure to $9,780.90. From the statemen of investments of the Port Warden Surplus Fund, it would appear that $36,30 has been invested in Montreal Corporation Bonds, Dominion and other stocks.

From the report of the Port Warden at Halifax, it appears that during th year, he held surveys on 13 steamers and 34 sailing vessels, which had arrived a port in a damaged condition. The fees received amounted to $2,493.65, and assis ance, office expenses, &c., to $965.97.

The Port Warden at Quebec held surveys on 100 steamships, valued for ge eral average 11 vessels, and condemned and sold 2 wrecked vessels, and survey 15 sailing vessels. The sum of $1,796.95 was received as fees, and $426 paid f assistance, &c.

The Port Warden at Charlottetown, P. E. I., reports export of grain small compared with previous years. The sum of $249 was received as fees, and $1 expended.

The Port Warden at Victoria and Esquimalt, B.C., collected fees during the year to the amount of $482; Vancouver, $90; North Sydney, N.S., $210 50; South Bar, N.S, $64; International Pier, N.S., $197; Yarmouth, N.S., $139; Sydney, N.S., $140; Shediac, N.B., $36; Port Hawkesbury, N.S., $47. St. Andrews, N.B., and Rimouski, Quebec, no business reported.

REWARDS FOR SAVING LIFE AND LIFE BOAT SERVICE.

The usual appropriation of $8,000, was made by Parliament for the above named services, and it will be seen by reference to Appendix No. 22 that the sum of $7,363.94 has been expended during the fiscal year. In the Supplement will be found a list of persons to whom rewards and testimonials have been granted by the Government of Canada, and by Her Majesty's Government, and also by foreign Governments, for humane and gallant exertions in saving life at sea, and also of rewards given for saving life on the shores of Canada.

In Appendix No. 33 to this report, will be found a statement showing the life-boat stations established in Canada, together with particulars as to boats, crews, equipment and services rendered. The rules and regulations relating to the government of the Life Saving Service form Appendix No. 34.

TIDAL OBSERVATIONS.

The General Committee of the British Association for the advancement of Science, at a meeting held in Montreal, 1884, adopted a resolution drawing the attention of the Government of the Dominion to the importance of establishing a series of stations on the coasts of the Dominion for the purpose of making tidal observations. The subject has occupied the attention of the Department, and a report will be found in Appendix No. 35, prepared by Lieut. Gordon, R.N., giving the result of certain observations made during the past season at certain stations in Nova Scotia and Prince Edward Island.

MERCHANT SHIPPING.

The total number of vessels remaining on the register books of the Dominion on the 31st December, 1887, including old and new vessels, sailing vessels, steamers and barges, was 7,178, measuring 1,130,247 tons register tonnage, being a decrease of 116 vessels and 87,521 tons register, as compared with 1886. The number of steamers on the registry books on the same date was 1,240, with a gross tonnage of 178,189. Assuming the average value to be $30 per ton, the value of the registered tonnage of Canada, on the 31st December last, would be $33,907,260.

The number of new vessels built and registered in the Dominion of Canada during the last year was 223, measuring 22,516 tons register tonnage. Estimating the value of the new tonnage at $45 per ton, it gives a total value of $1,013,220 for new vessels.

A statement follows, showing the number of vessels and number of tons on the register books at the different ports of registry in the Dominion, on the 31st December last, along with a comparative statement of the tonnage from 1873 to 1887. A statement is also published of the number of vessels built and registered in the Dominion during the last year, and a comparative statement of new vessels built and registered from 1874 to 1887, both inclusive.

A comparative statement is also given, compiled from French Lloyds' general list of shipping for 1887–88, showing the tonnage of the maritime nations of the world.

A list of the vessels on the registry books of the Dominion is made at the end of each year, showing the registered tonnage and dimensions of each vessel, and every third year it is published in book form. The list for 1886 was published and distributed last year.

A large decrease occurred in the tonnage of Montreal last year, owing to the registers of a number of the Allan steamers having been transferred to Glasgow.

The following persons were appointed Measuring Surveyors of Shipping, viz.:—

Mr. Daniel McAllister..... ..Cobourg, Ont.,
in place of Mr. C. E. Ewing, resigned.
Mr. Jas. D. Masson..... .....Queen's County, P.E.I.

The following wrecked vessels were re-registered by authority of His Excellency the Governor in Council, after being thoroughly repaired and made seaworthy, viz.:—

Name of Vessel.	Official Number.	Port of Registry.
Uncle Sam.....	88,597	Yarmouth.
Montreal.....	61,452	Windsor, N.S.
A. P. Ames.....	90,612	Moncton.
Governor Langton.....	69,346	Chatham, N.B.
Hope.....	61,627	Guysboro.
Maggie Lynds.....	90,611	St. John.
Armenia.....	.....	Chatham.
Titania.....	82,333	Quebec.
Annie W.....	59,2[illegible]0	Moncton.
Gasper Embree.....	83,085	Chatham, N.B.
Katie Stuart.....	71,475	Pictou, N.S.
Oscar.....	59,259	St. John.
Evangeline.....	83,102	Richibucto.
Ripple.....	64,033	Port Hawkesbury.
Ceylon.....	88,343	do
C. S. Parnell.....	71,301	St. John.
Lizzie C.....	79,979	Charlottetown.

Permission was given to change the names of the following vessels, during the last calendar year, viz.:—

Steamer "Gipsy," of Kingston, official number 77,589, changed to "Ella Ross."

Schooner "Mary Taylor," of Kingston, changed to "Loretta Rooney."

Steamer "Europe," of Montreal, official number 85,423, changed to "Regina."

Steamer "Teaser," of Victoria, official number 88,370, changed to "Rainbow."

Steamer "International," of Windsor, Ont., official number 88,623, changed to "Onaping."

Steamer "Belle," of Ottawa, official number 85,267, changed to "Ida."

Steamer "Mabel Freeman," official number 85,489, changed to "Argus."

STATEMENT showing the number of Vessels and number of Tons on the Registry Book of the Dominion of Canada, on the 31st December, 1887.

PROVINCE OF NEW BRUNSWICK.

Name of Port.	No. of Vessels.	No of Steamers.	Gross Tonnage, Steamers.	Total Net Tonnage.
Chatham	174	24	1,608	14,702
Dorchester	27	.....	.....	18,749
Moncton	11	.....	.....	2,573
Richibucto	15	1	57	4,180
Sackville	12	.....	.....	2,897
St Andrews	172	2	45	7,769
St. John	616	53	8,131	204,256
Total	1,027	80	9,841	255,126

PROVINCE OF NOVA SCOTIA.

Amherst	14	.....	.....	4 914
Annapolis	76	2	53	13,897
Arichat	121	1	66	5,399
Barrington	41	.....	.....	2,131
Baddeck	2	.....	.....	105
Digby	164	2	93	12,840
Guysboro'	50	.....	.....	2,387
Halifax	906	40	4,544	72,468
Liverpool	79	.....	.....	6,094
Londonderry	3	.....	.....	893
Lunenburg	266	2	60	21,430
Maitland	42	.....	.....	40,271
Pugwash	10	.....	.....	729
Parrsboro'	102	2	41	23,768
Pictou	86	7	210	28,592
Port Hawkesbury	57	.....	.....	2,736
Port Medway	28	1	45	2 026
Sydney	112	7	326	4,825
Shelburne	120	.....	.....	10,047
Truro	5	.....	.....	1,500
Windsor	186	5	451	124,315
Weymouth	20	.....	.....	2,824
Yarmouth	355	15	1,838	114,697
Total	2,845	84	7,727	493,878

STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada, &c.—*Continued.*

PROVINCE OF QUEBEC.

Name of Port.	No. of Vessels.	No. of Steamers.	Gross Tonnage, Steamers.	Total Net Tonnage.
Amherst	30	.....	.....	1,053
Gaspé	39	1	709	2,312
Montreal	581	161	28,992	86,202
New Carlisle	25	2	27	1,237
Percé	2	.....	.....	133
Quebec	909	155	26,808	98,127
St John's	.....	.....	.....	.....
Total	1,586	319	56,536	189,064

PROVINCE OF ONTARIO.

Amherstburg	6	1	54	230
Belleville	17	7	618	865
Brockville	34	30	722	882
Collingwood	30	28	2,430	2,181
Chippewa	3	2	263	153
Cramahe	2	.....	.....	278
Chatham	26	15	1,753	2,067
Cobourg	7	3	71	486
Cornwall	2	2	258	190
Darlington	2	.....	.....	253
Dunnville	9	5	636	1,027
Deseronto	5	4	1,080	761
Goderich	32	14	496	1,536
Hamilton	38	22	7,072	7,198
Kingston	189	63	9,978	23,607
Morrisburg	3	1	54	383
Napanee	18	5	391	2,535
Oshawa	1	.....	.....	138
Owen Sound	27	27	4,621	3,110
Ottawa	199	85	10,074	20,651
Oakville	4	.....	.....	323
Prescott	23	11	1,183	3,222
Port Burwell	20	5	158	2,933
Port Arthur	2	2	326	120
Port Dover	18	6	266	1,163
Port Colborne	6	2	95	693
Port Hope	55	33	2,624	4,890
Port Rowan	8	.....	.....	1,051
Port Stanley	7	5	1,593	1,275
Picton	37	10	623	4,023
Sarnia	20	13	5,953	4,761
Sault Ste. Marie	5	5	258	200
St. Catharines	134	56	11,096	23,110
Toronto	178	110	8,250	12,823
Wallaceburg	41	20	1,499	2,930
Windsor	64	18	7,229	6,[illegible]41
Whitby	3	.....	.....	511
Total	1,275	610	81,724	139,548

STATEMENT showing the number of Vessels and number of Tons on the Registry Book of the Dominion of Canada, on the 31st December, 1887—*Concluded.*

PROVINCE OF PRINCE EDWARD ISLAND.

Name of Port.	No. of Vessels.	No. of Steamers.	Gross Tonnage, Steamers.	Total Net Tonnage.
Charlottetown	225	14	3,114	29,031

PROVINCE OF BRITISH COLUMBIA.

Victoria	119	63	11,396	10,651
New Westminster	30	27	3,025	2,138
Total	149	90	14,421	12,789

PROVINCE OF MANITOBA.

Winnipeg	71	43	4,846	5,811

SUMMARY.

New Brunswick	1,027	80	9,841	255,126
Nova Scotia	2,845	84	7,727	498,878
Quebec	1,586	319	56,516	189,064
Ontario	1,275	610	81,724	139,548
Prince Edward Island	225	14	3,114	29,031
British Columbia	149	90	14,421	12,789
Manitoba	71	43	4,846	5,811
Total	7,178	1,240	178,189	1,130,247

COMPARATIVE STATEMENT showing the Number of Vessels and Number of Tons on the Registry Books of the Dominion of Canada, on the 31st December, in each Year, from 1873 to 1887.

Provinces.	1873.		1874.		1875.		1876.		1877.		1878.		1879.		1880.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	1,147	277,850	1,144	294,741	1,133	307,926	1,154	324,513	1,133	329,457	1,142	335,965	1,135	340,491	1,097	336,976
Nova Scotia	2,803	449,701	2,787	479,669	2,786	505,144	2,867	529,252	2,961	541,579	3,003	553,368	2,975	552,159	2,977	550,448
Quebec	1,842	214,043	1,837	218,946	1,831	222,965	1,902	228,502	1,951	248,399	1,676	243,349	1,975	246,025	1,889	233,341
Ontario	681	89,111	815	113,008	825	114,990	889	123,947	926	131,761	958	135,440	1,003	136,987	1,042	137,181
Prince Edward Island	280	38,918	312	48,388	335	50,677	338	50,692	342	55,547	322	54,250	298	49,807	288	45,931
British Columbia	30	4,095	35	3,611	40	3,685	40	3,809	43	3,479	51	4,482	60	4,701	63	5,049
Manitoba	.....	.....	.....	.....	2	178	2	178	6	246	17	1,161	22	1,924	21	1,992
Total	6,783	1,073,718	6,930	1,158,363	6,952	1,205,565	7,192	1,260,893	7,362	1,310,468	7,469	1,333,015	7,471	1,332,094	7,377	1,311,218

Provinces.	1881.		1882.		1883.		1884.		1885.		1886.		1887.	
New Brunswick	1,087	333,215	1,065	308,980	1,107	315,906	1,096	308,132	1,060	288,589	1,042	269,224	1,027	255,126
Nova Scotia	3,025	558,911	3,036	546,778	3,037	541,715	2,942	544,048	2,988	541,832	2,929	526,921	2,845	493,878
Quebec	1,830	224,936	1,754	215,804	1,739	216,577	1,628	202,842	1,631	203,635	1,650	232,556	1,586	189,064
Ontario	1,081	139,998	1,112	137,061	1,133	140,972	1,184	142,387	1,223	144,487	1,248	140,929	1,275	139,548
Prince Edward Island	273	45,410	248	41,684	241	49,446	234	39,213	227	36,010	225	30,658	225	29,031
British Columbia	74	6,296	84	7,687	94	9,046	115	11,403	123	11,834	134	11,900	149	12,789
Manitoba	24	2,130	23	2,783	24	2,778	55	5,722	63	5,439	66	5,578	71	5,811
Total	7,394	1,310,896	7,312	1,260,777	7,374	1,276,440	7,254	1,253,747	7,315	1,231,856	7,294	1,217,766	7,178	1,130,247

List of Ports at which Vessels may be Registered, showing the Number of New Vessels Built in the Dominion, and Registered, during the Year ended 31st December, 1887.

PROVINCE OF NEW BRUNSWICK.

Name of Port.	Vessels.	Tonnage.	Name of Port.	Vessels.	Tonnage.
Chatham	2	253	St. John	13	2,421
Dorchester	1	205	St. Andrews	1	11
Moncton	.....	.....	Sackville	.....	.....
Richibucto	1	19			
			Total	18	2,909

PROVINCE OF NOVA SCOTIA.

Amherst	.....	.....	Parrsboro'	10	2,556
Annapolis	.....	.....	Pictou	4	120
Arichat	2	44	Port Medway	2	134
Barrington	2	47	Port Hawkesbury	5	232
Digby	.....	.....	Shelburne	7	788
Guysboro'	2	34	Sydney	1	9
Halifax	14	377	Truro	1	64
Liverpool	3	246	Weymouth	4	343
Lunenburg	17	1,443	Windsor	8	4,460
Maitland	1	1,233	Yarmouth	4	180
			Total	87	12,310

PROVINCE OF QUEBEC.

Amherst (Magdalen Islands)	.....	.....	New Carlisle	.....	.....
Gaspé	.....	.....	Quebec	11	407
Montreal	17	2,481	St John's	.....	.....
			Total	28	2,888

PROVINCE OF ONTARIO.

Amherstburg	1	21	Port Burwell	1	105
Brockville	1	2	Prescott	2	64
Belleville	1	22	Port Dover	.....	.....
Chatham	.....	.....	Port Hope	2	7
Cobourg	1	19	Port Rowan	.....	.....
Collingwood	6	126	Port Stanley	.....	.....
Cornwall	.....	.....	Port Arthur	.....	.....
Deseronto	.....	.....	Sarnia	2	146
Darlington	.....	.....	Sault Ste. Marie	.....	.....
Goderich	5	112	St. Catharines	2	135
Hamilton	6	85	Toronto	13	356
Kingston	3	173	Windsor	.....	.....
Owen Sound	4	428	Whitby	.....	.....
Ottawa	13	1,086	Wallaceburg	2	98
Picton	1	8			
			Total	66	2,993

LIST of Ports at which Vessels may be Registered, showing the Number of Ne Vessels built in the Dominion, &c.—*Concluded.*

PROVINCE OF PRINCE EDWARD ISLAND.

Name of Port.	Vessels.	Tonnag
Charlottetown	7	601

PROVINCE OF BRITISH COLUMBIA.

Victoria	5	203
New Westminster	4	173
Total	9	376

PROVINCE OF MANITOBA.

Winnipeg	8	439

SUMMARY.

New Brunswick	18	2,909
Nova Scotia	87	12,310
Quebec	28	2,888
Ontario	66	2,993
Prince Edward Island	7	601
British Columbia	9	376
Manitoba	8	439
Total	223	22,516

COMPARATIVE STATEMENT of New Vessels Built and Registered in the Dominion of Canada during the Years ended 31st December, 1874 to 1887.

Provinces.	1874.		1875.		1876.		1877.		1878.		1879.		1880.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick	99	42,027	65	33,483	61	31,040	54	31,158	56	27,368	43	19,067	63	18,896
Nova Scotia	175	84,480	177	67,106	194	58,771	219	47,930	166	49,784	126	39,208	109	31,257
Quebec	73	20,796	102	22,825	5[illegible]	17,800	62	19,253	46	10,870	29	7,421	33	8,219
Ontario	50	10,797	53	7,760	47	5,397	28	3,3[illegible]6	30	2,408	42	2,464	44	3,610
Prince Edward Island	88	21,634	83	19,838	62	14,571	62	17,026	38	10,382	20	5,279	21	3,359
British Columbia	5	276	.....	.....	1	121	2	204	2	45	5	788	....	.....
Manitoba	....	.....	.....	.....	....	.....	3	48	1	15	.....	.....	1	100
	490	183,010	480	151,012	4[illegible]6	127,700	430	118,985	339	100,873	265	74,227	271	65,441
Add new vessels built in Canada, which proceeded to the United Kingdom under a Governor's pass without being registered	6	7,746	.....	.....	3	2,721	2	1,943	1	633	....	.....	....	.....
Add new vessels which left Quebec for registration in Germany	....	.....	.....	.....	1	480	....	.....	.....	.....	.....	.....	....	.....
Totals	496	190,756	480	151,012	420	130,901	432	120,928	340	101,506	265	74,227	271	65,441

Provinces.	1881.		1882.		1883.		1884		1885		1886.		1887.	
New Brunswick	57	18,259	65	16,820	72	21,103	46	12,888	34	7,736	34	4,931	18	2,909
Nova Scotia	150	40,465	117	26 711	202	35,765	178	42,032	102	24,703	93	20,948	87	12,310
Quebec	56	5,673	26	6,785	42	6,594	32	3,815	29	4,556	27	2,683	28	2,888
Ontario	54	5,111	55	4,369	34	4,311	58	4,446	45	3,509	52	2,075	66	2,993
Prince Edward Island	15	4,351	15	3,508	17	5,343	21	5,189	11	1,707	12	1,318	7	601
British Columbia	2	85	8	1,631	5	849	15	675	6	648	8	153	9	376
Manitoba	2	116	1	289	2	125	37	3,366	13	3[illegible]0	3	93	8	4[illegible]9
	336	74,060	288	60,113	374	74,090	387	72,411	240	43,179	229	32,207	223	22,516
Add new vessels built in Canada, which proceeded to the United Kingdom under a Governor's pass without being registered	.....	.....	1	1,029	.....	.....	...	.....	...	.....	.....	.....	....	.....
Add new vessels which left Quebec for registration in Germany	.....	.....	.....	.....	...	.....	....	.....	.....	.....	....	.....	....	.....
Totals	336	74,060	289	61,142	374	74,090	387	72,411	240	43,179	229	32,207	223	22,516

STATEMENT showing the Sea-going Tonnage and Tonnage of Steamers over 100 tons register of each of he Maritime States of the World, compiled from the Répertoire Général for 1886-1887.

Nationality.	Steamers	Gross Tonnage of Steamers.	Net Tonnage of Steamers.	Sailing Vessels.	Net Tonnage of Sailing Vessels.	Total Net Tonnage.
British, including Canada and the Colonies	4,906	6,543,615	4,199,144	14,584	4,654,214	8,853,358
French	468	743,660	494,023	2,136	385,631	879,654
German	529	601,975	431,700	2,328	849,869	1,281,569
Canadian (1,217,766 tons)	.....	.....	.....	.....	.....	.....
American	379	506,668	347,449	6,102	2,060,258	2,407,707
Spanish	356	399,577	260,308	1,450	269,278	529,886
Dutch	167	210,549	141,071	940	276,480	417,551
Italian	158	204,058	129,482	2,776	825,455	954,937
Russian	218	165,447	108,295	2,157	469,098	577,393
Norwegian	275	147,011	107,800	3,813	1,373,512	1,481,312
Swedish	329	137,377	98,529	1,960	403,887	502,416
Austrian	105	135,145	96,163	464	192,590	288,753
Danish	174	127,830	85,300	991	154,652	239,952
Belgian	62	111,746	83,286	25	7,231	90,517
Japanese	101	92,479	58,021	105	29,909	87,930
Greek	57	54,614	34,462	1,348	268,246	302,708
Brazilian	82	49,216	32,090	106	29,090	61,180
Egyptian	28	32,674	20,560	.....	.....	20,560
Portuguese	27	26,515	17,367	365	80,225	97,592
Chilian	23	24,923	16,323	135	65,509	81,832
Mexican	12	18,456	11,765	43	7,997	19,753
Argentine	22	13,120	7,967	68	15,833	23,800
Chinese	9	11,832	7,567	3	1,005	8,572
Turkish	17	11,770	7,297	46	69,627	76,924
Hawaiian	12	10,127	6,197	24	9,243	15,439
Peruvian	5	5,951	4,060	31	21,180	25,240
Haitian	4	4,087	2,529	20	3,642	6,171
Zanzibar	2	2,828	1,750	.....	.....	1,750
Uruguay	4	2,396	1,507	34	10,904	12,411
Roumanian	3	2,125	1,403	19	3,354	4,757
Tunisian	2	1,762	1,205	3	258	1,462
Honduras	1	989	543	1	197	740
Persian	1	838	579	.....	.....	579
Venezulan	3	838	540	12	2,108	2,648
Costa Rica	2	719	425	4	891	1,316
Siamese	2	547	351	15	6,368	6,719
Equator	1	329	249	.....	.....	249
San Domingo	1	167	103	2	260	363
Nicaraguan	.....	.....	.....	24	10,187	10,187
Guatemala	.....	.....	.....	18	5,519	5,519
Bolivian	.....	.....	.....	3	2,413	2,413
San Salvador	.....	.....	.....	5	1,770	1,770
Colombian	.....	.....	.....	7	1,334	1,334
Tahitian	.....	.....	.....	2	439	439
Montenegrian	.....	.....	.....	3	412	412
Liberian	.....	.....	.....	2	317	317
Jerusalem	.....	.....	.....	1	293	293
Total	8,547	10,403,960	6,817,400	42,545	12,571,584	19,388,984

COASTING TRADE OF CANADA.

By the provisions of the Act 33 Vic., cap. 14, respecting the coasting trade of Canada, no goods or passengers can be carried by water from one port in Canada to another, except in British ships; but the Governor in Council may, from time to time, declare that the Act shall not apply to the ships or vessels of any foreign country in which British ships are admitted to the coasting trade of such country. The Parliament of Canada was empowered to pass the Act alluded to under the provisions of the Imperial Act 32 Vic., cap. 11, intituled: "An Act for amending the law relating to the Coasting Trade and Merchant Shipping in British Possessions," which came into operation in this country on its proclamation by the Governor General on the 23rd October, 1869.

It having been ascertained that the following countries, viz: Italy, Germany, Netherlands, Sweden and Norway, Austro-Hungary, Denmark and Belgium, allowed British ships or vessels to participate in their coasting trade on the same footing as their own national vessels, the ships of Italy, by Order in Council of the 13th August, 1873; those of Germany, by Order in Council of the 14th May, 1874; those of the Netherlands, by Order in Council of the 9th September, 1874; those of Sweden and Norway, by Order in Council of the 5th November, 1874; those of Austro-Hungary, by Order in Council of the 1st June, 1876; those of Denmark, by Order in Council of the 25th January, 1877; those of Belgium by Order in Council of the 30th September, 1879, and those of the Argentine Republic, by Order in Council of the 18th May, 1881, were admitted to the coasting trade of Canada.

ESTABLISHMENT STAFF AT OTTAWA.

In Appendix No. 1 a statement is given showing the names of the members on the Establishment staff of the Department at Ottawa, the rank held by each, and the amount of salary they severally received during the fiscal year ended 30th June, 1887.

OUTSIDE SERVICE.

The number of persons employed on the Outside Service on the 31st December, 1887, was as follows:—

Superintendent of Lights and Light-keepers, &c., in Ontario and above Montreal	151
Officers of Agency in City of Quebec, and Light-keepers, Fog-whistle Keepers, &c., at and below Montreal, in the Province of Quebec	212
Agent, Clerk, Messenger, Superintendent of Lights, Light-keepers, Fog-whistle Keepers, Attendants at Humane Establishments, &c., in Nova Scotia	218
Agent, Clerk, Messenger, Superintendent of Lights, Light-keepers, Fog-whistle keepers, &c, in New Brunswick.	97
Agent and Light-keepers in Prince Edward Island	37
Agent and Light-keepers in British Columbia	10
Officers and crews of Dominion steamers and vessels	167
Inspectors of steamboats	15
Examiners of Masters and Mates, and Clerk to Chairman of Board	19
Harbour Police, Montreal and Quebec	75
Officers and servants in Marine Hospitals	75
Shipping Masters	24
Harbour Masters	182
Officers of Observatories, Meteorological Observers, &c., receiving pay	100
Receivers of Wreck	36
Wharfingers	42
Making a total of	1,460

For the previous year the number was 1,431. In addition to the 1,460 mentioned above, there are 76 Registrars of Shipping, who act under the direction and control of this Department, but are, at the same time, Collectors of Customs at the various ports of registration, and receive no salary or fees in their capacity of Registrars. There are 92 Measurers and Surveyors of Shipping at certain ports throughout the Dominion, who act as officers of this Deparment, and are remunerated from their fees of office, although, in addition to such office, many of them hold a position in the Customs Service. Also, in addition to the above, by Orders in Council of the 21st April and 2nd December, 1874, the Chief Officer of Customs at each port in the Provinces of Quebec, Nova Scotia, New Brunswick, British Columbia and Prince Edward Island, where no separate shipping office has been established, is to be held and deemed a Shipping Master, is to receive the fees, make half-yearly returns to this Department, and act in that capacity under its directions.

From the above statement it will be seen that there are 100 officers of Observatories, &c., who receive pay for the performance of their duties, but in addition thereto there are a large number of meteorological observers throughout the Dominion who give their services gratuitously.

I have the honour to be, Sir,

Your most obedient servant,

WM. SMITH,
Deputy Minister of Marine.

DEPARTMENT OF MARINE,
OTTAWA, 1st January, 1888.

APPENDIX No. 1

To the Twentieth Annual Report of the Department of Marine, being Statement showing the names of Members of the Establishment Staff of the Department of Marine, the Rank held by each, and the Salary they severally received, during the Fiscal Year ended 30th June, 1887.

To whom Paid.	Rank.	Period.	Amount.
			$ cts.
Hon. George E. Foster	Minister	12 months	7,000 00
Wm. Smith	Deputy Minister	do	3,200 00
John Hardie	Chief Clerk	do	2,400 00
F. Gourdeau	do and Accountant	do	1,850 00
W. L. Magee	1st Class Clerk	do	1,800 00
W. P. Anderson	do	do	1,800 00
W. H. Alexander	2nd do	do	1,300 00
M. P. McElhinney	do	do	1,274 98
A. W. Owen	do	do	1,137 50
J. M. Oxley	do	do	1,100 00
W. B. Carleton	3rd do	do	923 35
J. B. Halkett	do	do	1,000 00
W. W. Stumbles	do	do	1,000 00
N. Nicholson	do	do	950 00
V. H. Steele	do	do	850 00
A. Halkett	do	do	750 00
J. E. McClenaghan	do	do	600 00
A. H. Guion	do	From 4th April to 30th June, 1887	96 68
J. A. McIntyre	do	8 months	266 64
S. J. Jenkins	Private Secretary	12 do	600 00
Jules Morin	Messenger	12 do	500 00
J. A. Robertson	do	do	500 00
	Total		30,899 15

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 2

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights above Montreal, for the Fiscal Year ended 30th June, 1887.

	General Account.		$ cts.	$ cts.
Patrick Harty	12 months salary as Superintendent of Lights	$1,176 00		
do	12 months superannuation tax	24 00		
			1,200 00	
do	Travelling expenses		65 00	
John Corbett	10 months salary as Foreman of works		1,000 00	
W. H. Noble	12 do inspecting and fitting up lighthouse apparatus		874 96	
do	Paid for freight, cartage and travelling expenses		164 46	
W. P. Anderson	Travelling expenses		172 99	
A. Rosenthal	28 clocks at $3.75		105 00	
Wm. Howe	Wall paper		278 32	
Robert Latimer	Cartage of oil		25 80	
C. S. Shaw & Co.	Burners, wicks, etc		178 25	
Union Glass Co.	Chimneys		228 60	
H. St. A. Ormond	Paid freight on chimneys, travelling expenses		47 03	
Patterson & Law	Ring bolts, etc		13 44	
L. C. Barney	Plate glass, oil, turpentine		1,871 95	
James Redden	Lime		16 50	
Fenwick & Sclater	Manilla, flags, blocks, etc		559 37	
G. W. Cameron	$29\frac{23}{240}$ tons coal, at $6.70, $194.96; 2 tons, at $6, $12		206 96	
Gault Bros. & Co	Towels, ticking, duck, cotton, flannel		295 91	
H. A. Nelson & Sons	70 dozen brooms, at $2.50		175 00	
Kenneth, Campbell & Co	Spirits of wine, oil, varnish, etc		135 65	
C. C. Snowdon & Co	Brushes, saws, baskets, oils, etc.		814 33	
Duff & Gatfield	Keeping signals at Lime Kiln Crossing	$500 00		
do	Maintaining lightship	716 66		
			1,216 66	
G. E. Jacques & Co	Use of tarpaulins, etc		15 00	
Buchanan, Lawson & Robinson	Shingles		16 80	
Wm. Watts & Son	Oars and rowlocks		39 00	
W. R. Anderson & Co	Painting, paint brushes and repairs		15 00	
T. Long & Bro.	Lumber, &c		203 12	
J. B. Fairgrieve	Amount contract steamer "Canada" for supply trip		2,340 00	
J. A. Robertson	Travelling expenses, supply trip		18 60	
Canadian Pacific Ry. Co.	Freight on returned supplies		27 04	
Canada Atlantic Ry. Co.	do charts		6 72	
Thomas Ellis	Carrying supplies to Fox Island		3 50	
F. McKay	do do		1 00	
Bank of Montreal	Paid duty on coal for steamer "Bayfield"		24 00	
E. B. Eddy	Matches		48 45	
Imperial Oil Co	2703·98 galls. oil, at 21c., delivered at Montreal	$567 84		
do	2,829.12 do 24c. do	678 99		
			1,146 83	
do	1,322 50 do 21c., delivered at Kingston	$377 73		
do	1,431·40 do 24c. do	343 53		
			721 26	
do	2,724·24 do 20c., delivered at Hamilton	$544 85		
do	2,829·12 do 23c. do	650 70		
			1,195 55	
	Carried forward		13,468 05	.....

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		13,468 05	
	GENERAL ACCOUNT—*Concluded.*			
Imperial Oil Co.	3,898·18 galls. oil, at 20c., delivered at Sarnia	$779 64		
do	4,167·90 do 23c. do	958 61		
			1,738 25	
do	16·84 galls. at 24c., delivered at Kingsville		4 04	
do	Samples of oil		3 44	
Blyth & Kerr	Hardware, oil cans, pails, rope		40 84	
D. Dubé	Stone		3 50	
Treasurer, City of Kingston	Salary for Keeper, lighting city clock	$100 00		
do do	Gas	288 13		
			388 13	
D. Gardner & Co.	Cotton		4 32	
W. Wall	Boxes and barrels		3 40	
J. D. Potter	Admiralty charts and binding same		209 75	
Chance Bros.	Ruby chimneys and burners		448 60	
G. A. Harris	Freight on supplies		147 00	
Port Darlington Harbor Co	Allowance for light on pier during season 1886		100 00	
A. Ardley	Freight on box		5 96	
A. Lockerbie	Advance made to late Mr. Mann		15 00	
James Burns	Travelling expenses		5 20	
James Green	do		2 00	
M. J. Woodward & Co.	193·60 galls. oil, at 20½c.; freight, $4		43 69	
"Mail" Printing Co.	Advertising notices to mariners *re* Port Colborne light		3 75	
"Courier" Co., Buffalo.	do do		3 00	
Welland "Telegraph"	do do		2 42	
Essex "Review"	do do		3 50	
Sandusky "Journal"	do do		2 50	
Detroit "Free Press"	do do		2 24	
Toledo "Blade" Co.	do do		3 00	
Toronto "World"	do do		2 50	
Canadian Printing Co.	do do		2 56	
"Le Monde"	Advertising for tenders for supplies of oil and charter of steamer		8 90	
"The Star"	do do		13 40	
Kingston "Daily News"	do do		4 40	
"Spectator" Printing Co	do do		2 40	
"Gazette" do	do do		8 90	
London "Free Press"	do do		5 50	
"Courrier du Canada"	do do		2 80	
"Le Journal de Quebec"	do do		4 60	
"Daily Telegraph"	do do		4 60	
Petrolea "Advertiser"	do do		4 04	
L. J. Demers et Frères	do do		9 20	
"Insurance and Finance Chronicle"	do do		9 60	
"The Shareholder"	do do		6 80	
"La Minerve"	do do		6 80	
"Journal" Printing Co.	do do		2 20	
Canadian do	do do		1 76	
				18,752 54
	Allumette Island.			
Barney Spence	12 months salary as Light-keeper		100 00	
do	Paid freight on coal oil		2 60	
O. T. Bate & Co.	41·70 gallons oil, at 18c		7 50	
				110 10
	Arnprior Island.			
James Hughes	12 months salary as Light-keeper		150 00	
do	Paid for 2 pair oars		3 85	
				153 85
	Carried forward			19,016 49

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc —*Continued.*

			$ cts.	$ cts.
	Brought forward			19,016 49
	Aylmer Island.			
F. Boucher	12 months salary as Light-keeper		100 00	
do	Paid freight on oil		4 95	
C. T. Bate & Co.	25·18 gallons oil, at 18c.		4 53	
				109 48
	Bar Point Lightship.			
John Manson	Salary for February, March and April		113 33	
do	Pumping water out of vessel		20 00	
J. R. Park	Taking charge of vessel		108 50	
				241 83
	Baskin's Wharf.			
Wm. Baskin	12 months salary as Light-keeper		130 00	
C. T. Bate & Co.	1 barrel oil, $11.61, and 40·50 gallons, at 18c.		18 90	
				148 90
	Batchewana Bay.			
A. Crawford	12 months salary as Light-keeper			350 00
	Battle Island.			
C. S. McKay	12 months salary as Light-keeper	$493 75		
do	do superannuation tax	6 25		
			500 00	
Wm. Watts & Son	Amount for building boat		200 00	
Str. "City of Owen Sound"	Carriage of boat		25 00	
				725 00
	Beauharnois.			
Xavier Grignon	12 months salary as Light-keeper		225 00	
do	Paid expressage on lamps		5 40	
				230 40
	Belleville.			
John Covert	12 months salary as Light-keeper	$197 50		
do	do superannuation tax	2 50		
			200 00	
do	Paid charges on oil		1 55	
A. Tisdale	Repairing boat and painting roof		5 00	
W. Alford	Lumber, labour and boat hire		8 00	
				214 55
	Bois Blanc.			
A. Hackett	12 months salary as Light-keeper	$829 56		
do	do superannuation tax	5 44		
			835 00	
do	Hire of tug going to light in storm		5 00	
do	Paid for lumber		12 00	
George Galt	Marine compass		20 00	
Frank Dupey	Labour at drain		25 00	
J. D. Burke	Rope		3 50	
A. Bastien	Moving front range		25 00	
				925 50
	Carried forward			21,962 15

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			21,962 15
	Brown's or Knapp's Point.			
Patrick McAvoy	12 months salary as Light-keeper		148 13	
do	do superannuation tax		1 87	
				150 00
	Buckom's Point.			
G. Ouellette	12 months salary as Light-keeper		150 00	
C. T. Bate & Co	20 gallons oil, at 18c		3 60	
Mrs. MacLaren	Rent of land, to 1st July, 1886		15 00	
				168 60
	Burlington Beach.			
T. Campbell	12 months salary as Light-keeper	$296 25		
do	do superannuation tax	3 75		
			300 00	
George Allen	2 cords wood		13 00	
				313 00
	Burnt Island.			
C. Turcotte	12 months salary at Light-keeper	$246 88		
do	do superannuation tax	3 12		
			250 00	
John McNinch	2 cords wood		7 00	
				257 00
	Byng Inlet.			
Joseph Lamondin	12 months salary at Light-keeper			250 00
	Campbell Island.			
Mails Cowley	12 months salary as Light-keeper		150 00	
do	Paid freight on supplies		0 50	
C. T. Bate & Co	45·68 gallons oil, at 18c		8 22	
				158 72
	Cape Robert.			
W. E. Nesbit	12 months salary as Light-keeper		350 00	
do	Paid freight on boat		8 50	
Mrs. S. K. Nesbit	Examining and reporting on oil		10 00	
P. Doherty	Boat		125 00	
				493 50
	Cariboo Island.			
R. May	Salary as Light-keeper, from 24th August, 1886, to 30th June, 1887		483 87	
W. H. Plummer & Co	Putty, paint, compass, boat hire, etc		50 25	
Ainsworth & Gauley	Hire of tug		50 00	
J. B. Fairgrieve	Delivering coal		50 00	
P. Doherty	On account of boats		200 00	
Steamer "City of Owen Sound	Carriage of 2 boats		40 00	
				874 12
	Chantry Island.			
W. McG. Lambert	12 months salary as Light-keeper	$444 37		
do	do superannuation tax	5 63		
			450 00	
do	Paid fuel, lumber, repairs, etc		53 08	
				503 08
	Carried forward			25,130 17

STATEMENT of Expendiiure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			25,130 17
	Cherry Island.			
J. S. Johnson	12 months salary as Light-keeper		300 00	
do	Paid for boat		30 00	
				330 00
	Christian Island.			
John Hoar	12 months salary as Light-keeper	$429 69		
do	do superannuation tax	5 31		
			435 00	
do	Paid for trowels, timber, labor, etc.		39 15	
W. H. Noble	Travelling expenses, inspecting		108 20	
T. Marchildon	Timber		21 00	
				603 35
	Clapperton Island.			
B. B. Baker	12 months salary as Light-keeper		345 63	
do	do superannuation tax		4 37	
				350 00
	Cobourg.			
Robert Gordon	12 months salary as Light-keeper		125 00	
do	Paid for repairs to lantern, mast, etc.		8 10	
				133 10
	Colchester Reef.			
John Manson	12 months salary as Light-keeper		575 00	
Chris. Robson	Boat going to light		33 00	
T. B. White	Stone		1,230 00	
H. A. Hackett	Carrying oil, freight, etc.		30 76	
D. L. Wigle	Pump, hose, rope, lead, etc		71 61	
A. Mickle	Hauling boat		3 50	
L. N. Deneau	Boat and oars		22 00	
Blyth & Kerr	Level and draw-knife		1 80	
Park & Borrowman	Storage and repairs to boat		23 15	
Owner Str. "Dresden"	Freight on coal, boat, etc		3 80	
J. G. Mullen	1 ton coal, $7; 1 empty barrel, $1		8 00	
D. Johnston	Freight on coal		3 00	
"Western Herald"	Advertising for tenders for rip-rap		2 00	
Essex "Review"	do do		2 50	
"Western Clarion"	do do		2 50	
"Le Courrier d'Essex"	do do		2 50	
				2,015 12
	Cole Shoal.			
R. P. Boyd	12 months salary as Light-keeper		250 00	
James Burris	Flooring kitchen and pantry		20 00	
John McKay	Repairing chimney		3 00	
				273 00
	Collingwood.			
And. Lockerbie	12 months salary as Light-keeper		250 00	
do	Paid for ladders, freight, repairs, etc.		48 61	298 61
	Coteau Island.			
E. B. Prieur	12 months salary as Light-keeper			140 00
	Carried forward			29,273 35

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			29,273 35
	Deep River Island.			
Owen Smith	12 months salary as Light-keeper		100 00	
do	Paid for freight, clearing points above light, &c.		30 35	
L. C. Barney	Plate glass		24 44	
J. Bergin	Painting		6 00	
				160 79
	Deseronto.			
The Rathbun Co	Taking charge of light, 1886-87			200 00
	Dorval.			
Ben. Gloude	12 months salary as Light-keeper	$ 296 25		
do	do superannuation tax	3 75	300 00	
H. St. A. Ormond	Paid freight on anchors and repairs		4 20	
do	Inspecting		2 90	
T. Sonne	Rope, blocks, lanterns		18 51	
T. Chapman	Davit and outfit		5 95	
Jas. Walker & Co	Oil-can, brass-tap, etc		2 72	
M. J. Woodward & Co	46·63 gall. oil at 21¾c		10 14	
do	Freight on oil		2 80	
				347 22
	False Ducks.			
W. H. Lane	12 months salary as Light-keeper		350 00	
Wm. McRossie	Lumber		8 28	
G. B. Jones	20 gall. oil, at 35c., $7; oil-cans, $2		9 00	
W. H. Noble	Travelling expenses		5 50	
				372 78
	French River.			
Ed. Borron, jun	12 months salary as Light-keeper	$ 493 75		
do	do superannuation tax	6 25	500 00	
do	Paid for plastering		45 00	
				545 00
	Frenchman's Bay.			
Thomas Moody	12 months salary as Light-keeper			100 00
	Fort Coulonge.			
F. Bertrand	12 months salary as Lightkeeper		100 00	
C. S. Shaw & Co	20 gallons oil, at 25c, $5; cans, $2		7 00	
				107 00
	Fort William.			
Charles Pennock	Salary from 1st June, 1885, to 24th March, 1886, as Light-keeper		162 90	
Wm. Newcombe	Salary from 1st May, 1886, to 30th June, 1887, as Light-keeper		233 33	
Graham, Howe & Co	Lumber		27 00	
W. S. Piper	Repairing lanterns		2 50	
				425 73
	Carried forward			31,531 87

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	cts.
	Brought forward			31,531 87
	Gananoque Narrows.			
Joshua Legge	12 months salary as Light-keeper		480 00	
do	Hire of boat house, repairs, etc		12 25	
				492 25
	Gibraltar Point.			
George Durnan	12 months salary as Light-keeper	$ 544 68		
do	do superannuation tax	5 31	549 99	
			145 81	
Samuel Williams	4 months salary as Engineer		145 81	
George Durnan	Paid for carrying coal		10 00	
Carrier, Lainé & Co	Machinery for fog-alarm		8 00	
Elias Rogers & Co	4 tons coal, at $6, $24; hauling, $1.60		25 60	
Conger Coal Co	Pine and cartage		7 50	
Rice, Lewis & Son	Wrench, lamp, chimneys		6 50	753 40
	Gin Rock.			
Wm. Baxter	12 months salary as Light-keeper		300 00	
do	Lumber, nails, hire of boat, etc		80 00	380 00
	Glengarry.			
Mrs. K. McLauchlin	12 months salary as Light-keeper		250 00	
H. J. Rockett	Stove		6 00	
L. C. Barney	Plate glass		17 87	
W. H. Noble	Travelling expenses		14 55	288 42
	Goderich.			
William Marlton	Salary as acting Light-keeper 1st to 19th April, 1886		21 11	
Robert Campbell	Salary as Light-keeper, 20th April 1886 to 30th June, 1887		478 89	
Wm. McDonald	On account repairs to breakwater		165 65	665 65
	Gore Bay.			
Robert Boyter	12 months salary as Light-keeper	$345 63		
do	do superannuation tax	4 37	350 00	
do	Repairing dock, etc		80 79	430 79
	Gravenhurst.			
David Schell	12 months salary as Light-keeper		100 00	
do	Clapboarding and painting		20 00	
J. F. Young	Repairing lantern, white lead and oil		9 95	129 95
	Great Duck Island.			
Wm. Purvis	12 months salary as Light-keeper	$493 75		
do	do superannuation tax	6 25	500 00	
do	Towards amount expended building boat-house		60 00	
E. Chanteloup	Oil cups		92 00	652 00
	Carried forward			35,324 33

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			35,324 33
	Green Shoal.			
A. Laberge	12 months salary as Light-keeper		247 00	
do	do superannuation tax		3 00	
				250 00
	Grenadier Island.			
A. Root	12 months salary as Light-keeper	$246 88		
do	do superannuation tax	3 12		
			250 00	
W. S. Burtch	Skiff		40 00	
C. H. Hunt	Carpenter's repairs		10 50	
W. P. Daley	Lumber, nails, lime, etc.		12 50	
				313 00
	Griffith's Island.			
G. W. Patterson	12 months salary as Light-keeper	$345 00		
do	do superannuation tax	5 00		
			350 00	
do	Building breakwater, etc		51 00	
Receiver-General	Land		80 00	
				481 00
	Grosse Point.			
Wm. Shannon	12 months salary as Light-keeper	$429 69		
do	do superannuation tax	5 31		
			435 00	
Geo. Shannon	do salary as Light-keeper	$172 81		
do	do superannuation tax	2 19		
			175 00	
Wm. Shannon	Inspecting building of piers		28 00	
John Corbett	do piers		9 85	
Louis Leduc	Balance contract for piers		399 31	
A. Clark	2 cords woods		8 00	
Louis Parent	Repairs to lantern		2 00	
				1,057 16
	Gull Island.			
R. Roddick	12 months salary as Light-keeper	$493 75		
do	do superannuation tax	6 25		
			500 00	
do	Allowance, boat service, 1886		50 00	
J. A. Brown & Co.	4½ tons coal, at $5.75		25 85	
				575 85
	Hamilton's Island.			
John Hamilton	12 months salary as Light-keeper		120 00	
N. Turner & Son	White lead, oil, nails, etc		43 45	
John McPherson	Repairs, scaffolding, etc.		99 00	
Fenwick & Sclater	Canvas		3 60	
				266 05
	Head of Deschêne Rapids.			
M. Murphy	10 months salary as Light-keeper		83 34	
T. Graham	2 do do		16 66	
M. Murphy	Cartage of soil		1 25	
				101 25
	Carried forward			38,368 64

STATEMENT of Expenditure on Account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward			38,368 64
	Hope Island.			
Mrs. Charles Tizard	Salary to 16th June, 1887, as Acting Light-keeper		432 50	
Allan Collins	do 17th June to 30th June, as do		17 50	
				450 00
	Isle of Coves.			
George Currie	12 months salary as Light-keeper	$687 00		
do	do superannuation tax	13 00		
			700 00	
do	Taking charge of fog-alarm, 15th July to 31st Dec., 1886		145 84	
do	Building dock		100 00	
H. Rixon & Co	5 tons coal, $18.75; freight, $5		23 75	
do	16 cords wood		16 00	
W. H. Noble	Travelling expenses		76 93	
E. Chanteloup	Revolving apparatus		456 00	
Creighton Bros.	217·50 galls. oil, at 28c., $60 90; commission, $1.82		62 72	
Str. "Wm. Alderson"	Freight on oil and apparatus		19 25	
Redfern & Lepan	Glass, valves, etc		18 22	
				1,618 71
	Isle Perrot.			
H. Robillard	12 months salary as Light-keeper			80 09
	Killarney.			
P. R. de Lamorandière	12 months salary as Light-keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Paid for repairs		10 20	
				410 20
	Kincardine.			
William Kay	12 months salary as Light-keeper	$345 63		
do	do superannuation tax	4 37		
			350 00	
do	Freight on wire rope, labour, etc.		0 54	
Henry Plante	Painting pier		9 00	
George Kay	Lumber		2 00	
S. J. Greenhill	Nails, padlock, oil, etc.		2 93	
George Sturgeon	Chimney top, etc		1 05	
H. T. Hurdon	3 cords wood		12 00	
Cooper, Fairman & Co.	Wire rope		7 00	
T. Johston	Hire of cutter		2 50	
James Wardrop	Lumber		98 05	
Peter Flett	Driving piles		33 25	
Neil Kay	do		14 25	
Angus Kerr	do		14 25	
Henry Gee	do		28 00	
Wm. Hume	do		10 50	
R. R. Kay	do		3 75	
J. Kitchen	do		1 50	
Wm. Morrison	do		0 75	
				591 32
	Lachine Pier.			
Charles Leger	12 months salary as Light-keeper	$197 50		
do	do superannuation tax	2 50		
			200 00	
	Carried forward		200 00	41,518 87

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		200 00	41,518 87
	Lachine Pier—Concluded.			
. St. A. Ormond	Inspecting		2 90	
. Chanteloup	Replating reflectors		6 25	
. St. Onge	3 pairs oars		4 00	
. Crevier	Stove, repairs, etc		13 50	
. Laplante	Boat		30 00	
. H. Hill	Sail, oars, etc		5 00	
				261 65
	Lake St. Louis Lightship No. 1.			
imon Meloche	12 months salary as Light-keeper	$ 246 88		
do	do superannuation tax	3 12		
			250 00	
do	Allowance for fuel		8 00	
I. St. A. Ormond	Paid freight on anchor, repairs, etc		9 39	
homas Chapman	Repairing ladder, and storage		26 50	
A. Ramsay & Son	Glass		0 80	
B. Crevier	Repairs, etc		2 50	
				297 19
	Lake St. Louis Lightship No. 2.			
. Taillefer	12 months salary as Light-keeper	$296 25		
do	do superannuation tax	3 75		
			300 00	
do	Allowance for fuel		8 00	
H. St. A. Ormond	Paid freight on anchor, repairs, etc		9 39	
homas Sonne	Rope, blocks, marlin		11 78	
A. Ramsay & Son	Glass		0 80	
T. Chapman	Repairs		47 50	
				377 47
	Lake St. Louis Lightship No. 3.			
D. Veaudry	12 months salary as Light-keeper	$296 25		
do	do superannuation tax	3 75		
			300 00	
do	Allowance for fuel		8 00	
H. St. A. Ormond	Paid freight on anchor, repairs, etc		9 40	
A. Ramsay & Son	Glass		0 80	
B. Crevier	Stovepipe, wire, etc		3 56	
				321 76
	Lamb Island.			
W. T. Richards	12 months salary as Light-keeper		400 00	
do	Boat		40 00	
				440 00
	Lancaster Bar.			
G. H. Johnson	12 months salary as Light-keeper		321 88	
do	do superannuation tax		3 12	
				325 00
	Lancaster Pier.			
T. H. Hill	12 months salary ss Light-keeper	$320 94		
do	do superannuation tax	4 06		
			325 00	
John Meadows	Contract, rebuilding lighthouse, and extras		1,067 13	
A. Cameron	Inspecting and boat hire		33 10	
John Meadows	3½ cords stone, at $4.50		15 75	
J. A. Cameron	35 do 4.50		157 50	
				1,598 48
	Carried forward			45,140 42

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

		$ cts.	$ ct
	Brought forward		45,140 4
	Leamington.		
F. H. C. Conover	12 months salary as Light-keeper	150 00	
do	Painting, etc	15 95	
			165 9
	Lindoe Island.		
J. G. Wallace	12 months salary as Light-keeper	246 25	
do	do superannuation tax	3 75	
			250 0
	Little Current.		
Donald McKenzie	12 months salary as Light-keeper	345 63	
do	do superannuation tax	4 37	
			350 0
	Lonely Island.		
Jean Haitze	12 months salary as Light-keeper		450 0
	Long Point, East End.		
H. H. Woodward	12 months salary as Light-keeper	464 24	
do	do superannuation tax	5 76	
			470 0
	Long Point, West End (Port Rowan).		
W. E. Dickinson	12 months salary as Light-keeper $405 00		
do	do superannuation tax 5 00		
		410 00	
Gordon & Baker	Bolts	2 00	
			412 0
	Lower Narrows.		
J. L. Murphy	Clearing land		10 0
	L'Orignal.		
R. G. Campbell	12 months salary as Light-keeper	100 00	
do	Paid for brooms, cartage, freight, etc.	11 98	
			111 9
	Lyall Island.		
John McKay	12 months salary as Light-keeper	450 00	
do	Removal of property	150 00	
			600 0
	Manitoba Lightship.		
Wm. Hughes	Taking charge for season 1886	290 00	
North-West Navigation Co	Towing and placing	100 00	
Robt. Bullock	Rope, pipes, coal oil	20 63	
			410 6
	Carried forward		48,370 9

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			48,370 98
	Manitoulin.			
Wm. Cullis	12 months salary as Light-keeper	$694 37		
do	do superannuation tax	5 63		
			700 00	
do	Hinges, lock, lumber, freight, etc.		17 90	
Carrier, Laine & Co	Steam gauges, circular grate, etc		18 00	
				735 90
	Manitowaning.			
Benjamin Jones	12 months salary as Light-keeper			150 00
	Meaford.			
Samuel Dutcher	12 months salary as Light-keeper		150 00	
do	Paid freight on glassware		0 69	
James Cleland	Repairing two oil tanks		2 00	
				152 69
	Michael's Point.			
J. W. Chisholm	12 months salary as Lightkeeper			250 00
	Michipicoten Island.			
H. Davieau	12 months salary as Light-keeper		394 37	
do	do superannuation tax		5 63	
				400 00
	Middle Island.			
H. C. Stewart	$12\frac{11}{15}$ months salary as Light-keeper			159 17
	Mississauga Island.			
Neil McDonald	12 months salary as Light-keeper		300 00	
do	Paid masons work, lime, etc.		51 65	
				351 65
	Mohawke Island.			
R. H. Smithers	12 months salary as Light-keeper		405 00	
do	do superannuation tax		5 00	
				410 00
	Morrison's Island.			
John Tario	12 months salary as Light-keeper			100 00
	McKie's Point.			
Alex. McDonald	12 months salary as Light-keeper			175 00
	McKillop's Point.			
Damase Caza	12 months salary as Light-keeper		115 00	
M. Stalker	Painting		10 00	
				125 00
	Carried forward			51,365 39

STATEMENT of Expenditure on account of Maintenance of Lights abov Montreal, etc.—*Continued.*

			$ cts.	$ ct
	Brought forward			51,365 3
	McTavish Point.			
Joseph Geegan	12 months salary as Light-keeper		100 00	
John Corbett	Paid for repairs		154 40	
N. Campbell	Drawing stone for pier		55 62	
Owen Bros	Lumber and hardware		54 82	
				364 84
	McQuestin's Wharf.			
Mrs. Maria McQuestin	12 months salary as Light-keeper			100 00
	Muskoka or Fox Island.			
Henry Darke	12 months salary as Light-keeper		250 00	
do	Fuel		25 00	
S. C. Webster	Hauling plank		2 00	
W. S. Ramsay & Co	Lumber		1 32	
				278 32
	Niagara Fog Bell.			
James Dorrity	Enclosing building with shutters		18 75	
John Sando	Salary, 1st July, 1886, to 30th June, 1887		50 00	
				68 75
	Nine Mile Point.			
Albert Dunlop	12 months salary as Light-keeper	$395 63		
do	do superannuation tax	4 37		
			400 00	
A. Larush	30 days repairing Light		60 00	
Oldrieve & Horn	Rent of blocks and for lead		4 00	
W. McRossie	Shingles, etc		19 85	
				483 85
	North Sister Rock.			
W. Weightman	12 months salary as Light-keeper		350 00	
do	Boat		50 00	
Bruce Land & Mining Co	Freight on chimneys		0 94	
				400 94
	Nottawasaga.			
George Collins	12 months salary as Light-keeper	$588 00		
do	do superannuation tax	12 00		
			600 00	
J. Henderson	Manilla rope		1 20	
Toner & Gregory	3 cords wood		16 29	
W. R. Andersons & Co	Galvanized iron coping		12 00	
P. Doherty	Making sails		7 00	
Evison & Fyfe	Rope, blocks, etc		11 07	
Collingwood Dry Dock Co	Repairing pulleys		4 00	
				651 56
	Oakville Pier.			
R. K. Chisholm	12 months salary as Light-keeper		197 50	
do	do superannuation tax		2 50	
				200 00
	Carried forward			53,928 65

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			53,928 65
	Owen Sound (Presqu'Isle).			
John McKenzie	12 months salary as Light-keeper			100 00
	Owen Sound.			
G. J. Miller	12 months salary as Light-keeper	$148 13		
do	do superannuation tax	1 87		
			150 00	
do	Repairing and moving boathouse, etc.		29 07	
				179 07
	Pelée Island.			
James Cummins	12 months salary as Light-keeper		435 00	
W. H. Noble	On account of repairs		50 00	
				485 00
	Penetanguishene.			
W. A. Thompson	12 months salary as Light-keeper		150 00	
W. T. Richards	Repairs to Light		81 07	
N. Dubeau	Timber		45 00	
				276 07
	Pigeon Island.			
Richard Davis	12 months salary as Light-keeper		300 00	
do	Fuel and repairs		21 25	
				321 25
	Pointe aux Anglais			
Ed. Charlebois	12 months salary as Light-keeper		197 50	
do	do superannuation tax		2 50	
				200 00
	Point à Cadieux.			
Felix Valois	12 months salary as Light-keeper	$197 50		
do	do superannuation tax	2 50		
			200 00	
do	Nails, boards, etc		2 98	
C. S. Shaw & Co	15 gallons oil, at 25c., $3.75; 3 oil cans, $3.75		7 50	
				210 48
	Point aux Pins.			
Henry Wood	12 months salary as Light-keeper			200 00
	Point Claire Lightship, No. 1.			
M. Leclerc	12 months salary as Light-keeper		296 25	
do	do superannuation tax		3 75	
				300 00
	Point Clark.			
John Rae	12 months salary as Light-keeper		400 00	
do	Paid for glazing		33 50	
Asa Palmer	Pump		8 00	
George Sturgeon	50 gallons oil, at 28c.		14 00	
				455 50
	Carried forward			56,656 02

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts	$ cts.
	Brought forward			56,656 02
	Point Pelée Reef.			
W. A. Grubb	12 months salary as Light-keeper	$493 75		
do	do superannuation tax	6 25		
			500 00	
do	Paid for ladder, lumber and boat hire		25 75	
A. Foster	Stove pipe and weather vane		5 50	
				531 25
	Point Peter.			
J. Burlingham	12 months salary as Light-keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Timber, iron work, etc		21 30	
J. J. Bougard	Boat and equipment		35 00	
The Rathburn Co	Lumber		11 00	
John Richards	do hire of team		21 52	
				488 82
	Point Pleasant.			
John Prinyer	12 months salary as Light-keeper	$296 25		
do	do superannuation tax	3 75		
			300 00	
do	Boarding painter, 21 days, at 75c		15 75	
W. Harrison	Painting		30 62	
Geo. Newlands	Labor, cement, freight		27 40	
				373 77
	Porphyry Point.			
Andrew Dick	12 months salary as Light-keeper		395 00	
do	do superannuation tax		5 00	
				400 00
	Port Burwell.			
Wm. Sutherland	12 months salary as Light-keeper			225 00
	Port Colborne.			
D. H. A. Fortier	12 months salary as Light-keeper	$495 00		
do	do superannuation tax	5 00		
			500 00	
do	Paid for lumber, painting, etc		5 00	
Dickinson & Suess	Repairs to dwelling		30 00	
S. Burrow	Cleaning well, fixing smokestack, lamps, etc		40 20	
D. Gibbon & Co	Wood and hauling elevated walk		33 00	
G. S. Fortier	24 days assisting keeper		20 40	
D. W. McCann	Moving range light		100 00	
				728 60
	Port Credit.			
A. Blakely	12 months salary as Light-keeper		150 00	
do	Paid for repairs		150 00	
				300 00
	Port Dalhousie.			
David Hunter	12 months salary as Light-keeper	$345 63		
do	do superannuation tax	4 37		
	Carried forward	350 00		59,703 46

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		350 00	59,703 46
	Port Dalhousie—Continued.			
David Hunter	Paid for lumber, glass, etc		6 72	
W. E. Brooks	Scraping and painting light, etc		30 00	
Paul Smith	Stove-pipe, etc		1 70	
				388 42
	Port Dover.			
Henry Morgan	12 months salary as Light-keeper	$256 75		
do	do superannuation tax	3 25		
			260 00	
do	Paid for repairing damage done by storm		67 12	
S. J. Gamble	Painting		10 00	
H. W. Ansley	12 gallons oil, at 55c		6 60	
M. J. Woodward & Co	64-96 do 20½c., $13.32; freight $2.05		15 37	
				359 09
	Port Maitland.			
Fergus Schofield	12 months salary as Light-keeper	$345 63		
do	do superannuation tax	4 37		
			350 00	
Thomas Schofield	Bolts, ironwork, etc		28 35	
James Rolston	Lime, rope, etc		42 20	
Wm. Brennan	Boat hire, etc		45 00	
John Steel	Repairs to roof		25 00	
				490 55
	Port Stanley.			
Charles Ead	12 months salary as Light-keeper		296 25	
do	do superannuation tax		3 75	
				300 00
	Presqu' Isle (Main Light.)			
W. H. Sherwood	12 months salary as Light-keeper	$370 31		
do	do superannuation tax	4 69		
			375 00	
G. B. Simpson	Material and work on scow		33 68	
				408 68
	Prince Arthur's Landing.			
John Cooper	12 months salary as Light-keeper		250 75	
do	Paid for painting, freight, etc		10 35	
Wells & Dawson	Stove-pipe, etc		3 95	
Woodside Bros	Sheet-iron		7 75	
Steamer "City of Owen Sound"	Carriage of boat		15 25	
Nigars Bros	Lumber, erecting mast, etc		133 14	
Wm. Watts & Son	Boat and equipment		40 00	
Thomas Marks & Co	Lock		2 00	
Jas. Ross	Labour at repairs and moving		96 00	
F. Mc Colly	do do		19 00	
J. Montgomery	do do		5 00	
O'Meara Bros	900 lbs. spikes		63 00	
John Merrill	Labour with team, 5½ days		27 50	
Geo. Moorhouse	do 20½ do		35 87	
Geo. Jackson	do 10 do		17 50	
D. Squires	do 2½ do		12 50	
N. Stewart	do 18 do		90 00	
Wm. Murdoch	Superintending removal of light		50 00	
				879 56
	Carried forward			62,529 76

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			62,529 76
	Rainy River.			
M. Morriseau	13 months salary as Light-keeper		108 33	
Keewatin Lumber & Mfg. Co.	Coal oil, barrels, cans, etc.		21 75	
				130 08
	Range Lights and Buoys (Presqu' Isle.)			
G. B. Simpson	12 months salary as Light-keeper	$469 06		
do	do superannuation tax	5 94		
			475 00	
do	Moving boat-house		30 00	
John Gunyo	Plank		2 52	
Henry Lewis	Timber		4 20	
Eli Simpson	24½ days work at scow		42 88	
L. Taylor	4 days caulking		8 00	
A. A. Marsh	Bolts, etc.		8 65	
Nesbitt Bros.	do spikes, nails, rope, blocks		25 28	
Rice, Lewis & Son	Oil, valves, step-ladder, etc.		18 90	
				615 43
	Red Rock (Parry Sound.)			
A. A. Lawson	12 months salary as Light-keeper	$444 37		
do	do superannuation tax	5 63		
			450 00	
J. E. Galna	Freight on sheaves		4 40	
				454 40
	River Thames.			
H. J. Cartier	12 months salary as Light-keeper		425 00	
John Corbett	On account repairs		100 00	
S. Hadley	Fencing, cedar posts, etc.		40 00	
do	Lumber		322 00	
E. J. Gibb	Repairs		242 80	
R. Morton & Co.	Spikes, rope, etc.		25 03	
Ridgetown "Standard"	Advertising for tenders		2 70	
"Herald and Record"	do		2 16	
Tilbury Centre "Times"	do		2 70	
Blenheim "News"	do		2 16	
"Western Clarion"	do		3 81	
"Times" Printing Co., Dresden	do		2 70	
				1,171 06
	Rondeau.			
Thos. Harrison	12 months salary as Light-keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
Laing & Watson	Safety tubes		3 20	
				403 20
	Ste. Anne Bout de l'Ile (Caron's Point).			
Antoine Caron	12 months salary as Light-keeper		60 00	
do	Oil, freight and cartage		4 60	
				64 60
	Ste. Anne Bout de l'Ile, No. 2.			
T. de Repentigny	12 months salary as Light-keeper		100 00	
do	Hire of boat, season 1886		25 00	
				125 00
	Carried forward			65,503 53

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			65,503 53
	Ste. Placide.			
Charles Gauthier	12 months salary as Light-keeper			100 00
	Salmon Point.			
Lewis Hudgins	12 months salary as Light-keeper	$296 25		
do	do superannuation tax	3 75		
			300 00	
do	Placing gravel in breakwater		6 00	
Peter Huff	Stone, and drawing same		64 00	
P. Hicks	Horse hire		8 00	
D. Rychman	Oars		2 50	
				380 50
	Saugeen.			
M. McLeod	12 months salary as Light-keeper		80 00	
do	Repairs to boat, etc		13 75	
Irwin Rusk	do lantern		0 75	
				94 50
	Scotch Bonnet.			
Robert Pye	12 months salary as Light-keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	2 cords wood		7 00	
				407 00
	Shoal Point.			
E. E. Rains	12 months salary as Light-keeper		250 00	
do	Taking charge of light from 1st to 25th Aug., 1886.		16 80	
do	Boat, $32; lumber, nails and repairs, $59.55		91 55	
				358 35
	Snake Island.			
N. T. Orr	12 months salary as Light-keeper	$489 69		
do	do superannuation tax	5 31		
			495 00	
R. M. Horsey	Repairing chimney, etc		32 70	
				527 70
	Southampton.			
John Lee	12 months salary as Light-keeper		150 00	
do	Lumber, nails, labour		21 80	
				171 80
	South Bay Point.			
Daniel McIntosh	12 months salary as Light-keeper		197 50	
do	do superannuation tax		2 50	
				200 00
	Spanish River.			
Peter Assinawie	Salary from 27th April, 1886, to 3rd December, 1886, as keeper		216 91	
do	Boat, $39, hire of boat lifting light, $12.50		51 50	
Spanish River Lumber Co	Lumber, oil, wick, etc		29 20	
				297 61
	Carried forward			68,030 99

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			68,030 99
	Spectacle Shoal.			
Wm. Jackson	12 months salary as Light-keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Allowance for fuel and boat hire, 2 years		40 00	
The Rathbun Co.	Lumber		36 73	
E. H. Ellis	Nails, etc		2 90	
Henry Kidd	Work at dwelling house		22 00	
John Turcot	Scowing lumber		2 00	
				503 63
	Strawberry Island.			
Wm. McKenzie	12 months salary as Light-keeper			300 00
	Sulphur Island.			
Wm. Shepherd	12 months salary as Light-keeper		321 25	
do	do superannuation tax		3 75	
				325 00
	Swampy Island.			
H. E. Plunkett	12 months salary as Light-keeper		350 00	
N. W. Navigation Co	Freight on coal oil, lime and lumber		34 71	
Reid, Clark & Co.	do hair, etc		1 50	
Merrick, Anderson & Co.	Lumber, hair, nails, etc		47 10	
H. E. Plunkett	Building wharf, plastering, etc		50 50	
				483 81
	Telegraph Island.			
John Mason	12 months salary as Light-keeper	$197 50		
do	do superannuation tax	2 50		
			200 00	
do	Building boathouse		42 00	
H. S. Cronk	Freight and wharfage on supplies		5 20	
				247 20
	Thornbury.			
Robert Lowe	Salary, 18th May, to 30th June, 1887			7 26
	Thunder Cape.			
S. B. Richmond	12 months salary as Light-keeper		500 00	
do	Sinking well, tools, freight, glass, oil, etc		46 45	
do	On account 80 cords wood		150 00	
Geo. Dawson	40 tons coal, at $3.25, $130; filling bags, $26.30		156 30	
Carrier, Laine & Co.	Machinery for fog alarm		61 00	
do	Steel tongues		15 60	
J. B. Fairgrieve	Delivering coal		50 00	
E. Brooks	Putting on canvas, painting		30 05	
Woodside Bros.	Steel tongues, etc		11 85	
T. Marks & Co	Hose, pipes, etc		46 60	
				1,067 85
	Tobermorey.			
A. Davis	12 months salary as Light-keeper		100 00	
do	Lumber		26 26	
Receiver General	Land for site of light		18 00	
H. Rixon & Co	Timber		12 00	
				156 26
	Carried forward			71,123 00

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			71,123 00
	Way Shoal.			
A. Mongeon	12 months salary as Light-keeper			100 00
	Weller's Bay.			
Reuben Young	12 months salary as Light-keeper	$148 13		
do	do superannuation tax	1 87		
			150 00	
G. A. White	Glass and putty		1 10	
				151 10
	Whisky Island.			
W. A. Thompson	12 months salary as Light-keeper			150 00
	Wilson's Channel.			
A. Brownlee	12 months salary as Light-keeper		250 00	
John Morton	Hire of boat		7 00	
J. Richards	Oil-can, rope, etc		4 75	
Geo. Marks & Co.	Boat		45 00	
				306 75
	Windmill Point.			
W. S Plumb	12 months salary as Light keeper		150 00	
E. Dufrau	Boat		30 00	
				180 00
	Wolfe Island.			
Wm. Gillespie	12 months salary as Light-keeper		250 00	
do	Sinking well		30 00	
R. Davis	Building boat slide		40 86	
The Rathbun Co	Lumber		34 44	
G. E. R. Ranous	Labour as carpenter 6½ days		9 75	
McMahon Bros	Nails		1 58	
				366 63
	Victoria Island.			
F. Levan	12 months salary as Light-keeper		100 00	
do	Freight on oil		2 96	
				102 96
	Victoria Island (Lake Superior).			
A. Debakanong	12 months salary as Light-keeper			150 00
	BUOYS AND BEACONS.			
A. Lockerbie	Repairing and placing, Collingwood	$174 50		
Tug "Hiawatha"	Lifting and placing do	55 00		
			229 50	
Capt. D. Macfarlane	Am't. of contract placing Harbour and Ship Channel		262 50	
Gilmour & Co	Replacing Traitor Harbour		13 00	
Daniel Brown	Boat, Bois Blanc	$200 00		
A. Reaume	Spar buoys do	111 00		
H. A. Hackett	Lifting do	10 00		
W. Callum	do do	10 00		
			331 00	
	Carried forward		838 00	72,629 44

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		836 00	72,629 44
H. A. Hackett	Placing Bar Point	$ 1 50		
W. McMullen	do do	1 50		
And. Hackett	Replacing do	9 00		
			12 00	
Perry Bros	Iron band, etc., Burlington Beach	$ 1 75		
J. N. Ogg	Buoy do	2 00		
Wood & Leggatt	Chain do	1 94		
Thos. Campbell	Taking up do	6 00		
			11 69	
Jos. Genier	Attending buoys, Lake St. Louis	$175 00		
S. St. Denis	Balance, placing, etc. do	200 00		
do	On account do	250 00		
			625 00	
T. Fitzgerald	Supplying and placing 7 spar buoys, Bay of Quinté		70 00	
W. W. Grant	Contract, 1 year to 8th Aug., 1887 do		100 00	
A. Laberge	Making and placing, etc., Green Shoal		42 00	
E. Polkinghorn	Making buoys, Midland		105 00	
D. Girard	Repairing, Detroit River	$ 2 00		
W. Menzies	Replacing do	3 00		
J. D. Burke	Rope do	6 90		
J. A. Wright	Timber do	2 47		
Wm. Callum	Placing do	3 75		
H. A. Hackett	do do	3 00		
Wm. McMullen	do do	3 75		
			24 87	
John Matthewson	Lifting and replacing, Snake Island		14 00	
R. M. Harvey & Co.	Chains, bolts, etc		4 65	
Wm. Brown	Balance, lifting, etc., St. Mary's River, Neebish and St. Joseph Channels		130 00	
J. W. Darling	Lifting and placing, Bernard Rock, Dawson's Rock, and Bad Neighbour Shoal		100 00	
do	Lifting and placing, Jackson, Surprise and Stag Shoal, Stag's Point and Mary Ward Shoal		160 00	
W. M. Alderson	Making and placing, Port Rowan	$10 00		
J. Becker	Attending to do	90 00		
			100 00	
A. A. March	Plate, band, ring, etc., Presqu' Isle	$10 40		
T. Fitzgerald	Contract, season 1886 do	50 00		
J. R. Flagler	Oars and chain do	6 48		
H. Simpson	Drilling anchors do	12 00		
			78 88	
F. Gaudaur	Placing bushes, Narrows Channel		7 50	
Wm. Brown	Contract, 1886-87, Sault Ste Marie		250 00	
George Gollins	Service, past 7 years, Georgian Bay		100 00	
Wm. Jackson	do to 30th June, 1886, Spectacle Shoal		60 00	
J. G. Wallace	Placing, Fiddler's Elbow		25 26	
E. Leger	Eye-bolt key, Grosse Point	$ 1 90		
W. Shannon	Hire of scow, cedar, Grosse Point	21 25		
			23 15	
J. Legge	Season 1886, Gananoque Narrows		14 50	
P. Doherty	Putting up beacon, Gull Rock		56 00	
"The Shareholder"	Advertising for tenders, general account	$ 2 80		
"Gazette" Printing Co.	do do	2 80		
"La Minerve"	do do	2 80		
"Le Monde"	do do	2 80		
"The Star"	do do	2 80		
			14 00	
				2,964 50
				75,693 94
Queen's Printer	Printing, etc			20 80
	Refund of duties erroneously charged on coal by Customs Department			75,714 74
				24 00
				75,690 74

F. GOURDEAU,
Accountant.

WM. SMITH,
Deputy Minister of Marine.

APPENDIX No. 3

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Cape Race Light, for the Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts.
P. Myrick	9 months salary to 31st March, 1887	450 00	
M. F. Halley	6 do to 31st December, 1886	280 00	
J. H. Sims	6 do do	180 00	
M. Cantwell	6 do do	180 00	
Merchants' Bank	Commission on drafts	5 45	
Archibald & Co.	149 tons coal, at $1.60	238 40	
do	124 do at $7.10	880 40	
William Smith	Travelling expenses	181 80	
J. T. Neville	Paid disbursements, 149 tons coal, etc	1,556 25	
Terra Nova Foundry	For labor, steamstack, etc	495 69	
Wm. Stairs, Son & Morrow	Ensign, halyard and freight	5 26	
			$4,453 25

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU.
Accountant.

APPENDIX No. 4

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights between Montreal and Quebec, for the Fiscal Year ended 30th June, 1887.

			$ cts.	$ cts.
	Ash and Bloody Islands.			
J. W. Hammond	12 months salary as Keeper	$197 48		
do	do superannuation tax	2 52		
			200 00	
do	Fuel, $10; boat, $30		40 00	
do	Ventilator, fence, oil, etc		11 25	
P. Jobin	Travelling expenses		9 50	
O. Gourdeau	do and repairs		108 83	
L. R. Demers	do		13 50	
R. H. Whitman	Inspecting and freight		20 00	
W. C. Scott	Freight		2 55	
				405 63
	Batiscan.			
L. Fugère	12 months salary as Keeper		80 00	
J. Marchand	do do		80 00	
do	Ground rent		6 00	
L. Fugère	do		6 00	
do	Repairs to roof		7 00	
L. Bergeron	Repairs to tower		120 00	
				299 00
	Cap à la Roche.			
P. Fradette & Son	Hire of schooner for a light		875 00	
A. E. Vallerand	Lantern and wick		2 05	
				877 05
	Cape Charles.			
N. Boisvert	12 months salary as Keeper	$148 12		
do	do superannuation tax	1 88		
			150 00	
do	Ground rent		10 00	
do	Cutting trees		23 00	
F. Turgeon	Travelling expenses		9 00	
				192 00
	Cape Magdalen.			
Paul Manuel	12 months salary as Keeper		100 00	
Ant. Montplaisir	do do		175 00	
do	Ground rent		12 00	
Beaudet & Chinic	Paint		1 75	
				288 75
	Champlain.			
Nap. Hardy	12 months salary as Keeper		130 00	
do	Painting		20 25	
F. Martineau	Ground rent		12 00	
Beaudet & Chinic	Paint brushes		1 14	
				163 39
	Carried forward			2,225 82

STATEMENT of Expenditure on account of Maintenance of Lights between Montreal and Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			2,225 82
	Contrecœar.			
Avilas Gervais	12 months salary as Keeper		100 00	
Thos. St. Onge	do do		75 00	
P. Jobin	Repairs		87 76	
Beaudet & Chinic	Paint brushes and nails		1 64	
P. Gunn	Rope and blocks		18 90	
				283 30
	Grondines.			
A. Boisvert	12 months salary as Keeper		100 00	
Widow J. Trottier	do do		100 00	
do	Fuel, $4; painting, $6		10 00	
do	Postage and freight		2 42	
A. Boisvert	Painting, $7; fuel, $4		11 00	
F. Bedard	Swing heads, pipes, etc		7 00	
A. E. Vallerand	Chimneys		2 05	
				232 47
	Isle à la Bague.			
D. Mercier	12 months salary as Keeper	$148 12		
do	do superannuation tax	1 88		
			150 00	
do	Boat, $35; painting, $3		38 00	
do	Iron for pier		22 48	
				210 48
	Isle de Grâce.			
Ed. Paul	12 months salary as Keeper		240 00	
do	Taking down and putting up tower		45 00	
				285 00
	Isle à la Pierre.			
Wm. Matte	12 months salary as Keeper		220 00	
do	Fuel, $10, canoe, $4		14 00	
Garceau, Fils et Cie	Repairs		22 40	
L. T. Trempe	do		6 64	
E. Portelance	Row locks		4 10	
				267 14
	Isle aux Prunes.			
D. Robert	12 months salary as Keeper		120 00	
do	Fuel		8 00	
do	Putting up and taking down tower		40 00	
do	Clearing ice and repairs		20 21	
				188 21
	Isle aux Raisins.			
Theo. Verville	12 months salary as Keeper		240 00	
do	Fuel		12 00	
do	Putting up and taking down tower		30 00	
J. Sullivan	Davits		23 40	
Desjardins & Payan	Painting		55 00	
				360 40
	Isle Ste. Thérèse.			
Sam. Reeves	12 months salary as Keeper	$250 16		
do	do superannuation tax	3 16		
			253 32	
	Carried forward		253 32	4,052 82

STATEMENT of Expenditure on account of Maintenance of Lights between Montreal and Quebec, etc.—*Continued.*

			$ cts	$ cts
	Brought forward		253 32	4,052 82
	Isle St. Thérèse—Continued.			
Theo. Brodeur	12 months salary as Keeper		144 00	
J. Sheridan	Repairs		185 00	
J. Sullivan	Davits		23 40	
H. St. A. Ormond	Travelling expenses		43 85	
S. Reeves	Putting up and taking down towers		25 00	
Alf. Reeves	Ground rent		10 00	
				684 57
	Lacolle.			
R. H. Whitman	12 months salary as Keeper		149 53	
do	Boat, $30; boat hire, $11		41 00	
do	Refund for superannuation tax		5 88	
do	Covering roof with tin		26 50	
P. Jobin	Travelling expenses		8 25	
A. E. Vallerand	Lamp and wicks		5 20	
Canadian Express Co.	Freight		1 05	
				237 41
	Lavaltrie.			
D. Giguère	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel		20 00	
do	Putting up and taking down tower		80 00	
do	Repairing tower		45 00	
P. Jobin	Travelling expenses		17 10	
C. Henvieux	Ground rent		30 00	
E. Chanteloup	Repairing reflector		19 00	
Beaudet & Chinic	Paint brushes		1 14	
				512 24
	Lake Memphremagog.			
D. E. Peters	Salary, Witch Rocks		72 50	
A Hardy	do Green Point		42 86	
J. C. Patterson	do Woodleigh		42 86	
C. Gardner	do Lead Mines		39 00	
Rufus Ayer	do Georgeville		12 00	
Alex. Molson	do Molson's Island		28 07	
C. A. McPherson	do Georgeville		27 85	
D. E. Peters	Replacing lights and freight		52 22	
				317 36
	Lightship No. 1.			
A. Auger	6 months salary as Keeper	$248 12		
do	do superannuation tax	1 88		
			250 00	
D. Lafièche	3 do salary		100 00	
P. Bellefeuille	Wharfage, outfit and repairs		199 55	
do	6 cords wood		36 00	
M. McNaughton	Towage		25 00	
F. Gunn	Rope		20 50	
L. T. Trempe	Repairs		50 65	
Garceau, Fils et Cie	do		97 05	
E. Portelance	do		27 51	
Beaudet & Chinic	Glass		22 69	
P. P. Pouliot	Boat		64 50	
				806 15
	Carried forward			6,610 55

ATEMENT of Expenditure on account of Maintenance of Lights between Montreal and Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			6,610 55
	Lightship No 2.			
tor Fiset	12 months salary as Keeper	$496 24		
do	do superannuation tax	3 76		
			500 00	
Bellefeuille	Wharfage, outfit and repairs		165 70	
do	6 cords wood		36 00	
udet & Chinic	Glass and paint brushes		25 14	
T. Trempe	Repairs		51 94	
Gunn	Rope		20 25	
McNaughton	Towage		25 00	
Portelance	Row locks, etc		17 54	
rceau, Fils et Cie	Repairs		7 95	
				849 52
	Lightship No. 3.			
édée Magnan	12 months salary as Keeper	$496 24		
do	do superannuation tax	3 76		
			500 00	
Bellefeuille	Wharfage, outfit and repairs		208 58	
do	6 cords wood, $6		36 00	
udet & Chinic	Glass and paint brushes		40 91	
McNaughton	Towage		155 00	
T. Trempe	Repairs		49 16	
rceau, Fils et Cie	do		11 00	
Portelance	Row locks, &c		15 22	
				1,015 87
	L'Islet Richelieu.			
therine Blais	12 months salary as Keeper		160 00	
do	Fuel		20 00	
do	Boat hire		11 00	
Jobin	Travelling expenses		13 25	
				204 25
	Lotbinière.			
Beaudet	12 months salary as Keeper		80 00	
o. Beaudet	do do		80 00	
udet & Robitaille	Tar		4 25	
audet & Chinic	Axe and saw		2 80	
				167 05
	North Half-way Point.			
nis Menard	12 months salary as Keeper	$167 88		
do	do superannuation tax	2 12		
			170 00	
Jobin	Travelling expenses		8 75	
				178 75
	Platon.			
erre Beaudet	12 months salary as Keeper		120 00	
audet & Chinic	White lead		1 56	
				121 56
	Pointe aux Trembles.			
Lamarche	12 months salary as Keeper			130 00
	Carried forward			9,277 55

STATEMENT of Expenditure on account of Maintenance of Lights betwe Montreal and Quebec, etc.—*Continued.*

			$ cts.	$
	Brought forward			9,277
	Pointe du Lac.			
M. Paquin	12 months salary as Keeper		100 00	
do	Travelling expenses		6 60	
A. E. Vallerand	Lamps and chimneys		2 00	
				108
	Port St. Francis.			
Ernest Duval	12 months salary as Keeper		240 00	
do	Boat, $36; painting, $8		44 00	
do	Repairing tower		6 50	
H. Brassard	Putting up and taking down tower		60 00	
Capt. J. Duval	Storage		10 00	
Beaudet & Chinic	Paint brushes		1 95	
				362
	Pointe aux Citrouilles.			
C. Brunelle	12 months salary as Keeper		200 00	
do	Fuel, $10; repairs, $14		24 00	
J. Bedard	Lantern and reflectors		13 35	
J. A. Marchildon	Ground rent		12 00	
F. Marchand	House rent and right of way		8 00	
Beaudet & Chinic	Paint brushes and buckets		1 25	
				258
	Portneuf (Above).			
F. Rodrigue	12 months salary as Keeper	$246 88		
do	do superannuation tax	3 12		
			250 00	
do	Fuel		10 50	
G. Germain	Ground rent		5 50	
Geo. Paré	Repairs		125 00	
Beaudet & Chinic	Paint brush		0 80	
				391
	Repentigny.			
Chas. Rivet	12 months salary as Keeper		75 00	
J. Bte. Lachapelle	do do		75 00	
Beaudet & Chinic	Paint brushes, padlocks, &c		3 29	
				153
	River du Chêne.			
Widow J. Langlois	12 months salary as Keeper			100
	River St Francis.			
P. Deschenaux	Salary for season		86 66	
do	Removing posts and repairs		35 75	
R. Latraverse	do replacing		41 00	
				163
	St. Antoine.			
L. Lafleur	12 months salary as Keeper	$160 46		
do	do superannuation tax	2 04		
			162 50	
do	Fuel, $10; painting and repairs, $30.55		40 55	
J. Joseph	Plate glass		17 75	
				220
	Carried forward			11,036

STATEMENT of Expenditure on account of Maintenance of Lights between Montreal and Quebec, etc.—*Concluded.*

			$ cts.	$ cts.
	Brought forward			11,036 50
	Ste. Croix.			
a. Thurber	12 months salary as Keeper	$172 80		
do	do superannuation tax	2 20		
			175 00	
do	Fuel		10 00	
Gunn	Rope		19 35	
audet & Chinic	Paints nails, etc.		10 95	
Desrochers	Ground rent		6 00	
Bédard	Stovepipe and box		3 20	
Parent	Lime		1 75	
				226 25
	St. Pierre les Becquets.			
C. Francœur	12 months salary as Keeper		70 00	
do	Painting		4 00	
do	Cutting trees		6 00	
audet & Chinic	Glass		15 00	
				95 00
	St. Valentine.			
ul Martin	12 months salary as Keeper	$148 12		
do	do superannuation tax	1 88		
			150 00	
Jobin	Repairs		20 00	
				170 00
	Sorel Harbour.			
chelieu Co.	Keeping light		85 00	
P. Pagé	Painting		30 00	
				115 00
	BUOYS.			
Meilleur	Services		150 00	
Francœur	do		450 00	
H. Hébert	do		125 00	
R. Smith	Advertising		3 40	
				728 40
	GENERAL ACCOUNT.			
Routier	Blacksmith and carpenters work		1,316 66	
N. W. Telegraph Co.	Messages		188 02	
G. Bruneau	Expenses supplying lights		25 00	
Bellefeuille	Cartage of oil		15 00	
Berrigan	do of snow		35 00	
Barbeau	Repairing roof		13 00	
audet & Chinic	Paint, brushes, nails, etc.		69 60	
L. Boulanger	Subscription to "Le Canadien"		4 00	
Borland	1 chaldron coal		7 00	
A. Blanchet	Petty expenses		155 05	
Bédard	Funnels		4 80	
Connolly	Labour		10 00	
Chanteloup	Resilvering reflectors		554 30	
P. Dery	Stationery		6 25	
Doyle	Hardware		35 65	
Fitzhenry	Storing coal oil		26 26	
U Gregory	Travelling expenses		36 90	
Fitzhenry	Wages		91 50	
Hamel et Cie	Chamois skins, glass cloth		100 58	
Marmen	Cartage		25 15	
	Carried forward		2,719 72	12,371 15

STATEMENT of Expenditure on account of Maintenance of Lights betw Montreal and Quebec, etc.—*Concluded.*

		$ cts.	$
	Brought forward	2,719 72	12,37
	GENERAD ACCOUNT—*Concluded.*		
A. Marmen	Services	28 00	
J, Morin	Chimney cleaners	18 00	
Queen's Wharf	Rent	271 91	
Jackson Rae	Fire extinguishers	63 00	
A. E. Vallerand	Sponges, lanterns and chimneys	291 30	
M. J. Woodward	3,223.16 galls petroleum, 22c	709 10	
M. Tardif	Spars	19 25	
A. G. Tourangeau	Postage, May and June	39 39	
A. J. Turcotte	Matches, brooms, brushes	55 05	
do	132⅖ galls. linseed oil, at 67½c	87 45	
do	54 galls. turpentine, at 67½c	36 45	
H. St. A. Ormond	Paid freight on anchor and repairs, Isle Ste. Thérèse	1 30	
do	Travelling expenses do	24 42	
			4,36
	Total		16,73

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 5

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights below Quebec for the Fiscal Year ended 30th June, 1887.

			$ cts.	$ cts.
	Algernon Rock.			
L. D. Babin	Allowance for assistant		150 00	
do	Fuel		24 00	
Ars. Babin	Skiff, $30 ; repairs, $30		60 00	
Beaudet & Chinic	Chains, spikes and nails		9 63	
				243 63
	Amherst Island.			
Wm. Cormier	12 months salary as Keeper	$345 60		
do	do superannuation tax	4 40		
			350 00	
do	Fuel, $50 ; repairing fence, $10		60 00	
Audet & Robitaille	Halyard		1 80	
Beaudet & Chinic	Axe, shovels, etc		8 85	
J. H. Clint	Pine boards		35 87	
J. Hamel & Co	Glass cloth		3 81	
T. Parent	Lime		1 75	
A. E. Vallerand	Chimneys		6 35	
				468 43
	Anse St. Jean.			
F. Boivin	12 months salary as Keeper		40 00	
J. Bedard	Lamps and repairs		3 50	
St. Lawrence Steam Navigation Co	Freight		3 00	
				46 50
	Anticosti, East Point.			
Thos. Gagné	12 months salary as Keeper	$795 00		
do	do superannuation tax	5 00		
			800 00	
Beaudet & Chinic	Paint, files, hammer, etc		62 83	
J. H. Clint	Lumber		5 52	
Fisher & Blouin	Harness and blankets		11 00	
F. Gunn	Canvas		18 90	
J. Hamel & Co	Glass cloth, chamois, etc		5 43	
T. Houghton	Horse shoes		4 35	
S. Peters	Lumber		17 82	
Renaud & Cie	Oats and bran		16 80	
J. Bedard	Stove pipe, stoppers		13 65	
				956 30
	Anticosti, South Point.			
Wm. Carter	12 months salary as Keeper	$637 00		
do	do superannuation tax	13 00		
			650 00	
do	Boat		100 00	
T. Routier	Repairs to house, tower and breakwater		772 25	
J. Shea & Bros	Provisions for carpenters		77 14	
J. B. Côté	do do		13 26	
A. J. Turcotte	do do		39 65	
J. Smith	do do		7 55	
	Carried forward		1,659 85	1,714 86

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		1,659 85	1,714 8
	Anticosti, South Point—Concluded.			
J. H. Clint	Lumber		343 21	
G. M. Webster & Co	Cement		4 50	
Beaudet & Chinic	Iron, paint, etc		130 45	
Oct. Gourdeau	Deals and cartage		13 20	
A. E Vallerand	Chimneys		3 90	
F. Derouin	Sheaves		1 80	
F. Gunn	Rope, canvas, etc		18 75	
E. Giroux	Drugs		2 95	
Audet & Robitaille	Rope		1 80	
F. Dobbin	Repairing clock		4 50	
G. T. Phillips	House pump, iron, etc		31 69	
S. J. Shaw & Co	Stock and dies, hardware, etc		36 48	
J. Bedard	Stovepipe and repairing lamps		86 15	
				2,339 2
	Fog Whistle.			
Wm. Carter	Salary as engineer		250 00	
do	Fuel, two years		600 00	
do	Repairs and board		19 60	
S. Peters	Lumber		96 61	
Carrier, Lainé & Co	Tongues for reeds		31 50	
Beaudet & Chinic	Nails		3 08	
T. Routier	Repairs		479 50	
J. Sullivan	Tanks		40 00	
G. Perrin	Bricks		13 00	
				1,533 2
	Anticosti, West Point.			
A. Malouin	12 months salary as Keeper	$645 00		
do	do superannuation tax	5 00		
			650 00	
do	Filling wharf, $24; horse hire, $4		28 00	
Beaudet & Chinic	Paint, brushes, nails, etc		89 90	
J. H. Clint	Lumber		17 49	
SS. "Otter"	Freight		11 00	
J. B. Renaud	Oats, bran and seeds		37 21	
E. Cazeau	Wheels and axles		64 50	
J. Hamel & Co	Reflector cloth		14 15	
Fisher & Blouin	Horse collar and harness		15 07	
F. Gunn	Manilla rope		13 13	
T. Parent	Lime and puncheons		9 75	
T. Houghton	Horse shoes		8 45	
J. B. Dutil	Oars		2 50	
Renaud et Cie	Oats		3 86	
A. E. Vallerand	Lamps		1 25	
J. Bédard	Stove, pipe, oil feeders		56 06	
T. Routier	On account breakwater		820 00	
A. J. Turcotte	Provisions for carpenters		63 62	
T. Delany	do		16 25	
J. B. Coté	Provisions		80 54	
M. Dunn	Soap		3 00	
C. & W. Wurtele	Cement		72 00	
				2,077 72
	Anticosti, South-West Point.			
E. Pope	12 months salary as Keeper	$795 00		
do	do superannuation tax	5 00		
			800 00	
do	Repairs		60 00	
Beaudet & Chinic	Glass, paint and nails		156 59	
J. Hamel & Co	Glass cloth		13 98	
	Carried forward		1,030 57	7,665 1

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		1,030 57	7,665 10
	Anticosti, South-West Point—Concluded.			
J. H. Clint	Boards		67 60	
G. T. Phillips	Repairs		64 97	
Fisher & Blouin	Harness and blanket		18 50	
Renaud et Cie	Oats and bran		16 65	
E. Cazeau	Wheels		17 00	
E. Giroux et Frère	Drugs		7 80	
A. E. Vallerand	Chimneys		3 75	
F. Dobbin	Clocks		4 50	
Audet & Robitaille	Rowlocks		3 05	
J. Bédard	Stove, plates and box		14 85	
				1,249 24
	Baie St. Paul.			
H. Tremblay	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel		30 00	
do	Repairs to house and boat		57 00	
Beaudet & Chinic	Axe, lock and paint		25 77	
J. F. Dobbin	Repairing clock		2 00	
E. Giroux et Frère	Drugs		13 00	
F. Gunn	Rope, oakum		10 28	
J. Hamel & Co	Glass cloth		1 47	
Richelieu & Ontario Navigation Co	Freight		0 50	
St. Lawrence Steam Navigation Co	do		3 93	
J. Bédard	Box		0 75	
				444 70
	Bellechasse.			
J. B. Galibois	12 months salary as Keeper	$316 00		
do	do superannuation tax	4 00		
			320 00	
do	Fuel, $10; iron keel, $2.20		12 20	
Beaudet & Chinic	Lock, axe, etc		7 85	
J. F. Dobbin	Repairing clock		1 00	
F. Gunn	Rope and canvas		17 93	
J. Hamel et Cie	Glass cloth		2 37	
P. P. Pouliot	Boat		16 75	
				378 10
	Belle Isle.			
M. Colton	12 months salary as Keeper	$893 72		
do	do superannuation tax	6 88		
			900 60	
do	Boat, $10; repairs to road and wharf, $83		93 00	
Audet & Robitaille	Twine, etc		2 25	
Beaudet & Chinic	Axe, nails, shovels and iron		145 89	
J. Bédard	Tinware, pipes, etc		10 65	
W. Boucher	Labour landing		18 60	
E. Cazeau	Trucks and sleigh		38 75	
J. H. Clint	Lumber		79 95	
J. F. Dobbin	Repairing clock		2 50	
Fisher & Blouin	Horse collar and leather		6 05	
E. Giroux et Frère	Drugs		6 65	
Jos. Hamel et Cie	Glass cloth		12 15	
T. Houghton	Horse shoes		10 85	
T. Parent	Cooperage		105 15	
J. B. Renaud et Cie	Hay, oats and bran		110 63	
C. Vézina	Tools		33 30	
L. P. Vohl	Telescope		10 00	
Geo. M. Webster & Co	3 tons coal, $7		21 00	
				1,607 97
	Carried forward			11,345 11

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			11,345 11
	Belle Isle (Depot).			
B. Renaud & Co.	Flour		15 00	
				15 00
	Bicquette.			
Et. Parent	12 months salary as Keeper	$594 40		
do	do superannuation tax	5 60		
			600 00	
do	Fuel, $24; board bill and lime, $14.25		38 25	
Beaudet & Chinic	Paint, brushes, etc.		42 57	
C. Bérubé	Blacksmith work		5 75	
H. Black	Axle-tree and brush		2 50	
J. Desgagné	Painting		63 33	
Aug. Dion	Boat		28 00	
E. Giroux et Frère	Drugs		3 15	
Jos. Hamel & Co	Glass cloth		4 35	
C. Vézina	Iron work		19 00	
F. Turgeon	Rope		20 00	
				826 90
	Bird Rocks.			
Tel. Turbide	12 months salary as Keeper	$1,288 00		
do	do superannuation tax	12 00		
			1,300 00	
Audet & Robitaille	Halyards		1 85	
Beaudet & Chinic	Paint, wire rope, iron, etc		63 99	
J. Bédard	Iron door, repairing stove		12 85	
J. H. Clint	Boards		60 28	
Geo. T. Davie	Condenser		120 00	
J. F. Dobbin	Clock and repairing clock		4 50	
Ed. Giroux et Frère	Drugs		1 60	
F. Gunn	Rope and canvas		53 65	
Jos. Hamel & Co	Glass cloth		4 35	
T. Parent	Barrelling coal		117 15	
Geo Perrin	Bricks		3 50	
G. T. Phillips	Hose and wire		8 75	
J. & W. Reid	Felt		2 84	
T. Routier	Preparing lumber for new house		170 53	
S. J. Shaw & Co	Gauge glasses		1 50	
E. Trudel	1 cord wood		2 00	
J. Turner	Labour landing supplies		33 75	
				1,963 09
	Brandy Pots.			
A. Richard	12 months salary as Keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Fuel		30 00	
do	Salvage of boat, $10; repairs, $5.15		15 15	
do	Slip		100 00	
Beaudet & Chinic	Paint, brushes and compass		5 95	
J. Hamel & Co	Glass cloth		2 37	
				553 47
	Cap à l'Aigle.			
E. Savard	Salary for season		40 00	
A. E. Vallerand	Chimneys and wicks		6 40	
F. Gunn	Rope		1 57	
St. Lawrence Steam Navigation Co.	Freight on lamps		2 10	
Richelieu and Ontario Navigation Co.	do do		0 25	
				50 32
	Carried forward			14,753 89

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			14,753 89
	Cap aux Oies.			
J. Savard	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel, $20; repairs, $10.16		30 16	
Beaudet & Chinic	Files, putty, tacks		10 16	
J. F. Dobbin	Repairing clock		1 15	
F. Funn	Canvas		7 20	
J. Hamel & Co	Glass cloth		1 47	
G. T. Phillips	Sheet lead		2 36	
				352 50
	Cape Bauld (Fog Horn).			
A. St. Laurent	Salary as Engineer		400 00	
do	56½ cords wood, $3		169 50	
do	Galvanized iron		3 00	
M. Dunn	Tallow		4 50	
Carrier, Laine & Co	Screws		3 34	
Beaudet & Chinic	Paint and files		38 77	
G. T. Phillips	Flangers and valves		12 39	
S. J. Shaw & Co	Rubber		3 44	
				634 94
	Cape Bauld (Lighthouse).			
A. St. Laurent	12 months salary as Keeper		400 00	
J. H. Clint	Lumber		33 81	
Beaudet & Chinic	Paint and hardware		47 15	
J. Hamel & Co	Glass cloth		4 35	
T. Houghton	Horse shoes		3 60	
T. Routier	Flag staff, rods and repairs		59 20	
E. Cazeau	Carts and sleigh		82 75	
T. Parent	Lime and repairing		7 95	
Fisher & Blouin	Horse blanket		4 00	
S. Peters	Lumber		4 75	
N. Tardif & Co	Spar		1 50	
A. E. Vallerand	Chimneys		6 40	
F. Gunn	Rope		10 88	
E. Giroux et Frère	Drugs		7 15	
L. P. Vohl	Telescope		14 00	
Audet & Robitaille	Flag		9 30	
J. F. Dobbin	Repairing clocks		3 25	
J. B. Renaud et Cie	Hay, oats and bran		64 91	
A. St. Laurent	Postage		0 50	
J. Bédard	Chimney top and oil feeders		37 05	
				802 50
	Cape Chatte (Lighthouse).			
T. Côté	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel, $20; right of way, $4		24 00	
do	Painting		30 00	
Beaudet & Chinic	Shovels		2 10	
J. Hamel et Frères	Glass cloth		2 37	
T. Parent	Lime		1 75	
G. W. Lindsay	Repairing boat		7 01	
				367 23
	Carried forward			16,911 06

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward			16,911 06
	Cape Chatte (Fog-Horn).			
S. Dion	12 months salary as Engineer	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Sawing wood		25 00	
Beaudet & Chinic	Brace, bit, saw, etc		13 20	
M. Dunn	Tallow		3 20	
B. Roy	40 cords maple, $3.60	$144 00		
do	10 cords tamarac, $2.70	27 00		
			171 00	
W. & C. Crawford	Bricks		9 50	
				621 90
	Cape Despair.			
Jno. Beck	12 months salary as Keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Fuel, $30; blowing fog horn, $20		50 00	
do	Repairs and cartage		45 00	
Beaudet & Chinic	Paint		53 16	
F. Gunn	Cotton duck		9 00	
J. Hamel et Frères	Glass cloth		2 37	
T. Parent	Lime		9 50	
Geo. Robinson	Freight		3 70	
A. E. Vallerand	Chimneys		31 10	
				603 83
	Cape Gaspé.			
C. D. Esnouf	12 months salary as Keeper	$795 00		
do	do superannuation tax	5 00		
			800 00	
do	Fuel, $24; postage, $2.94		26 94	
Beaudet & Chinic	Locks, nails, etc		15 01	
F. Gunn	Rope		11 00	
J. Hamel & Co	Glass cloth		2 91	
S. Peters	Lumber		13 50	
A. E. Vallerand	Chimneys and wicks		3 30	
				872 66
	Cape Magdalen.			
J. F. Sasseville	12 months salary as Keeper		300 00	
do	Fuel		25 00	
do	Fence		18 00	
do	Sinking well		45 00	
do	Postage		4 50	
Beaudet & Chinic	Glass, nails, etc		47 20	
Audet & Robitaille	Blocks and halyards		3 35	
J. Bédard	Lamps and repairs		51 75	
E. Giroux et Frère	Drugs		19 30	
J. Hamel & Co	Glass cloth		2 91	
T. Parent	Lime		3 25	
				520 2[illegible]
	Cape Normand.			
Hy. Locke	12 months salary as Keeper	$493 72		
do	do superannuation tax	6 28		
			500 00	
do	Fuel		100 00	
do	Wharf, $20; repairing tower, $72		92 00	
Audet & Robitaille	Rope		4 30	
	Carried forward		696 30	19,529 7[illegible]

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		696 30	19,529 71
	Cape Normand—Concluded.			
Beaudet & Chinic	Paint, axe and nails		10 70	
J. Bédard	Stove		7 65	
J. H. Clint	Lumber		33 04	
E. Giroux et Frère	Drugs		2 75	
J. Hamel et Frères	Glass cloth		4 35	
				754 79
	Cape Ray.			
E. H. Rennie	12 months salary as Keeper	$588 00		
do	do superannuation tax	12 00		
			600 00	
do	Fuel, $40; repairs, $10		80 00	
Beaudet & Chinic.	Varnish and paint		46 28	
J. Bédard	Lamps and reflectors		51 55	
E. Cazeau	Axles and wheels		58 25	
J. H. Clint	Lumber		29 00	
J. F. Dobbin	Clock		3 50	
F. Gunn	Rope		56 13	
J. Hamel et Frères	Glass cloth		4 71	
T. Parent	Kegs		13 00	
J. B. Renaud & Co	Hay, oats and bran		23 05	
				965 47
	Cape Ray (Fog-Whistle).			
E. H. Rennie	Salary as Engineer		200 00	
Archibald & Co	70 tons coal, at $1.60	$112 00		
do	Trimming coal	10 50		
			122 50	
M. Dunn	Tallow		4 50	
E. Chanteloup	Oil cups		49 00	
Bisset Bros.	Castings		47 20	
Jarrier, Laine & Co	Pump, tongues, etc		115 40	
G. J. Shaw & Co	Plates and dies, tubes, etc		147 78	
H. M. Webster & Co	Cement		13 50	
				699 88
	Cape Rosier.			
Jean Vien	8 months salary as Keeper		266 67	
do	Fuel		30 00	
do	Travelling expenses		48 80	
A. Bélanger	Salary for July and August		163 00	
J. Dobbin	Clock		3 25	
Beaudet & Chinic.	Glass, white lead, etc		46 41	
. Bédard	Buckets, pipe, etc		16 60	
. Hamel & Co.	Glass cloth		4 35	
J. X. Lavoie	Certificate of registration		8 60	
T. Parent	Kegs		2 75	
A. E. Vallerand	Chimneys and burners		9 25	
. B. Vien	Painting lantern		22 00	
A. Trudeau	6 months salary		200 00	
				821 68
	Cape Rosier (Fog-Whistle).			
. Vien	Salary as Engineer		400 00	
J. & X. Kennedy	Freight 88 tons coal, at $3.00	$264 00		
do	do 12 do 1.50	18 00		
			282 00	
Intercolonial Coal Co	99½ do 2.00		199 00	
Beaudet & Chinic.	Files and iron		3 74	
	Carried forward		884 74	21,949 85

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		884 74	21,949 85
	Cape Rosier (Fog-Whistle)—Concluded.			
Carrier, Laine & Co.	Tongues		30 40	
G. T. Phillips	Steam valve		3 55	
Noonan & Davies	On account of freight		10 50	
S. J. Shaw & Co	Plates and dies		37 35	
M. Dunn	Tallow		2 40	
				968 94
	Carleton Point.			
Elm. Landry	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel		20 00	
J. Joseph, jun	Plate glass		21 60	
J. Hamel & Co.	Reflector cloth		2 19	
				343 79
	Chicoutimi.			
J. Marier	Salary for season		70 00	
Geo. Bergeron	do		70 00	
H. Savard	do		70 00	
F. Gauthier	do		40 00	
Aug. Pilote	do		40 00	
Widow O. Lachance	do		40 00	
A. Simard	do		40 00	
C. Harvey	do		40 00	
Widow O. Tremblay	Travelling expenses and repairs		253 82	
do	Storage and supplying lights		60 00	
Beaudet & Chinic	Brace and bits, glass		16 05	
J. Bédard	Lanterns, lamps and reflectors		19 10	
J. Hamel et Frères	Glass cloth		1 82	
T. Parent	Lime		1 75	
A. Poitras	Repairs		100 00	
Richelieu and Ontario Navigation Co	Passage and freight		26 46	
St. Lawrence Steam Navigation Co	do		46 39	
A. E. Vallerand	Chimneys and burners		12 80	
				948 19
	Crane Island.			
J. Painchaud	12 months salary as Keeper	$316 00		
do	do superannuation tax	4 00		
			320 00	
do	Fuel		16 00	
do	Fence		10 00	
do	Repairing ceiling		62 00	
do	Repairs to boat		5 00	
Beaudet & Chinic	Putty		1 53	
R. Blakiston	Sails		70 10	
J. Hamel et Frères	Glass cloth		2 91	
T. Parent	Lime		1 75	
A. E. Vallerand	Dioptric lantern		37 50	
				526 79
	Eboulements.			
A. Goudreault	Salary for season		40 00	
do	Repairing tower		24 50	
Richelieu and Ontario Navigation Co	Freight		2 00	
St. Lawrence Steam Navigation Co	do		5 45	
				71 95
	Carried forward			25,631 19

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			25,631 19
	Egg Island.			
Paul Coté	12 months salary as Keeper	$493 72		
do	do superannuation tax	6 28		
			500 00	
do	Fuel		60 00	
do	Board of carpenters		124 16	
Beaudet & Chinic	Zinc, nails, tacks, and stock and dies		53 82	
J. H. Clint	Lumber		536 02	
A. Fraser	Freight and passage		49 90	
E. Giroux et Frère	Drugs		18 55	
F. Gunn	Canvas		6 75	
J. Hamel et Frères	Glass cloth		7 81	
F. Lachance	Repairs		114 00	
T. Parent	Water-barrel		2 75	
T. Routier	Repairs		201 50	
J. & W. Reid	Felt		5 85	
				1,681 11
	Entry Island.			
James Cassidy	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel		20 00	
Beaudet & Chinic	Glass, paint, &c		43 70	
E. Chanteloup	Burners and repairing reflectors		86 00	
F. Dobbin	Clock		8 75	
N. Dickson	Ground rent		15 00	
O. Fortin	Birch bark		7 50	
J. Hamel & Co.	Glass cloth		3 81	
T. Parent	Keg and lime		6 75	
S. Peters	Lumber		116 52	
				608 03
	Ellis Bay (Provision Dépot).			
R. Setter	6 months salary as Keeper		98 74	
do	do superannuation tax		1 26	
				100 00
	Etang du Nord.			
T. O'Brien	12 months salary as Keeper		400 00	
do	Repairs		75 00	
Beaudet & Chinic	Nails		0 79	
Audet & Robitaille	Twine		0 60	
E. Giroux et Frère	Drugs		12 05	
F. Gunn	Rope		25 63	
J. Hamel & Co.	Glass cloth		2 55	
H. Leblanc	Right of way		8 00	
T. Parent	Water cask		5 25	
S. Peters	Lumber		29 70	
A. E. Vallerand	Lamps		2 00	
J. Bédard	Stove, pipe, tinware		17 65	
				579 22
	Fog Whistle.			
T. O'Brien	Salary as Engineer		400 00	
Archibald & Co.	50 tons coal, $1.60, $80; trimming coal, $7.50		87 50	
T. O'Brien	Fuel, $100; labour at coal, $21		121 00	
M. Dunn	Tallow		9 00	
Beaudet & Chinic	Hammer, files and iron		33 53	
G. T. Phillips	Rubber, washers		2 72	
S. J. Shaw & Co	Cotton wick		0 40	
				654 15
	Carried forward			29,253 70

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			29,253 70
	Fame Point.			
Jas. Ascah	12 months salary as Keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Fuel, $20; stays, $12		32 00	
Audet & Robitaille	Wire rope, halyards		26 02	
Beaudet & Chinic	Saw, glass, paint, etc		31 43	
J. Bédard	Repairing lamps and stove		26 50	
J. F. Dobbin	Clock		4 50	
E. Giroux	Drugs		10 75	
J. Hamel	Glass cloth		3 63	
J. Joseph	Ruby glass		4 50	
B. Leonard	Wall paper		3 00	
G. T. Phillips	Sheet lead		8 64	
A. E. Vallerand	Chimneys		3 15	
C. Vézina	Tools, rods, etc		31 95	
				586 07
	Father Point.			
J. McWilliams	12 months salary as Keeper	$337 48		
do	do superannuation tax	2 52		
			340 00	
do	Fuel and water		30 00	
do	Repairs to roof		14 89	
Beaudet & Chinic	Saw, zinc, iron, etc		40 09	
J. Bédard	Stove pipe		3 95	
J. H. Clint	Planks and boards		6 00	
E. Chanteloup	Re-silvering reflectors		46 50	
E. Giroux et Frère	Drugs		14 15	
O. Gourdeau	Repairs		40 77	
J. Hamel & Co	Glass cloth		3 81	
L. Leclerc	Junk		3 50	
A. E. Vallerand	Burners, chimneys, etc		9 25	
				552 91
	Forteau.			
M. T. Wyatt	12 months salary as Keeper	$493 72		
do	do superannuation tax	6 28		
			500 00	
do	Repairs		49 00	
Beaudet & Chinic	Paints, nails, glass, etc		102 45	
J. H. Clint	Deals		67 85	
J. F. Dobbin	Clock		3 50	
Fisher & Blouin	Horse rasp		0 75	
J. Hamel & Co	Glass cloth		4 35	
T. Houghton	Horse shoes		4 10	
F. Gunn	Rope		11 88	
E. Giroux et Frère	Drugs		31 90	
E. Larochelle	Boat		10 00	
T. Parent	Lime and barrels		12 70	
S. Peters	Lumber		67 74	
J. B. Renaud et Cie	Hay, oats and bran		50 75	
A. E. Vallerand	Lamp		5 00	
G. M. Webster	Cement		13 50	
				935 47
	Fog Whistle.			
M. T. Wyatt	Salary as Engineer		300 00	
do	Fuel		60 00	
Carrier, Laine & Co	Tongues for reeds		30 40	
M. Dunn	Tallow		4 50	
	Carried forward		394 90	29,886 23

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		394 90	29,886 23
	Fog-Whistle—Concluded.			
Intercolonial Coal Co.	91 tons coal, $2		182 00	
Noonan & Davies	Freight, 91 tons coal, $4, $364; commission, $9.10		373 10	
G. T. Phillips	Gauge glasses valves, etc		8 80	
E. Trudel	4 cord wood, $2		8 00	
				966 80
	Gaspé Basin.			
Ben. Eden	Salary for season			42 00
	Gaspé Lightship.			
John Ascah	Salary as Keeper		400 00	
Beaudet & Chinic	Glass		18 50	
				418 50
	Grand River.			
C. A. Baudin	12 months salary as Keeper		150 00	
do	Fuel, $15; postage and freight, $7.94; fence, $31.60		54 54	
Beaudet & Chinic	Nails		3 35	
J. F. Dobbin	Clock		4 50	
J. Hamel & Co.	Glass cloth		1 38	
				213 77
	Green Island.			
G. W. Lindsay	12 months salary as Keeper	$853 72		
do	do superannuation tax	6 28		
			860 00	
Audet & Robitaille	Halyards		1 85	
Beaudet & Chinic	Saw, shovels, etc		25 12	
J. Bedard	Stovepipe, cramps, etc		18 45	
E. Chanteloup	Oil-cups		49 00	
J. F. Dobbin	Clock		3 50	
E. Giroux et Frère	Drugs		13 65	
J. Hamel & Co.	Glass cloth		5 43	
G. W. Lindsay	Repairing boat		23 25	
C. Parent	Lime		16 50	
A. E. Vallerand	Lanterns		1 25	
				1,018 00
	Isle aux Coudres.			
H. Pednault	Salary for season		40 00	
do	Freight		1 65	
A. E. Vallerand	Chimneys		2 50	
J. Bédard	Repairing lamps, stove-pipes, etc		15 35	
Richelieu and Ontario Navigation Co.	Freight on lamps		1 10	
St. Lawrence Steamship Navigation Co.	do etc		4 70	
				65 30
	Greenly Island.			
P. C. de Beaumont	12 months salary as Keeper	$628 33		
do	do superannuation tax	5 00		
			633 33	
Audet & Robitaille	Oakum		30 55	
Beaudet & Chinic	Iron, paint		110 41	
J. F. Dobbin	Clock		5 50	
	Carried forward		779 79	34,052 52

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward		779 79	34,052 52
	Greenly Island—Concluded.			
Fisher & Blouin	Ox collar		5 00	
J. Bédard	Stove, repairing lamp		56 05	
E. Giroux et Frère	Drugs		6 20	
F. Gunn	Canvas		18 90	
J. Hamel & Co.	Glass cloth, curtains, etc		11 61	
P. Jobin	Repairs		18 50	
T. Parent	Water barrels		3 25	
Renaud & Co.	Hay, oats, bran, etc		40 03	
E. Trudel	2 cords wood		4 00	
C. Vezina	Hinges		18 80	
A. E. Vallerand	Chimneys		6 35	
L. C. de Beaumont	Repairs		16 85	
				985 33
	Fog-Horn.			
Carrier, Laine & Co.	Horns, tongues, etc		1,992 40	
J. H. Clint	Lumber		803 12	
M. Dunn	Tallow		4 50	
Intercolonial Coal Co.	135 tons coal, at $2		270 00	
P. Jobin	Building sheds for horns, etc		1,614 50	
do	Provisions		13 76	
Noonan & Davies	Freight on 135 tons, at $4		540 00	
S. Peters	Lumber		108 27	
G. Perrin	Bricks		11 60	
G. T. Phillips	Flanges, pipes, etc		400 03	
S. J. Shaw	Dies, wire rope, etc.		84 58	
J. Sullivan	Tanks		120 00	
A. J. Turcotte	Provisions for carpenters		136 53	
J. Turner	Labour		93 30	
G. M. Webster	Bricks and cement		78 00	
				6,270 59
	Kamouraska.			
T. R. Desjardins	12 months salary as Keeper	$ 444 40		
do	do superannuation tax	5 60		
			450 00	
do	Fuel		25 00	
Beaudet & Chinic	Axe, nails and paint brushes.		11 09	
J. C. Bruneau	Travelling expenses		12 66	
R. Blakiston	Sails		58 10	
J. Bédard	Stove and pipe		14 00	
J. Desgagné	Boat hire, repairs and painting.		234 56	
J. B. Dutil	Oars		5 00	
J. Hamel & Co	Glass cloth		2 73	
T. Parent.	Lime		1 75	
P. P. Pouliot	Boat		128 50	
				943 39
	Lark Islet.			
P. Boulianne	12 months salary as Keeper	$ 197 48		
do	do superannuation tax	2 52		
			200 00	
do	Fuel		30 00	
do	Boat		20 00	
do	Repairing boat, ladder, etc		13 20	
Beaudet & Chinic	Iron, paint, etc		22 42	
J. B. Dutil	Oars		7 00	
E. Giroux	Drugs		13 15	
J. Hamel & Co	Glass cloth		2 19	
B. Leonard	Wall paper		0 60	
St Lawrence Steam Navigation Co	Freight		41 25	
				349 81
	Carried forward			42,251 83

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		42,251 83
	Fog-Horn.		
P. Boulianne	Salary as Engineer	200 00	
J. Boulianne	104½ cords wood, $2.92	305 14	
Bisset Bros	Cylinder cover	2 90	
M. Dunn	Tallow	6 80	
John Dawe	Tanks	120 00	
G. T. Phillips	Steam pipe and couplings	10 56	
S. J. Shaw	Packing	31 35	
Richelieu and Ontario Navigation Co.	Freight on tallow	0 50	
			677 25
	Lower Traverse Lightship.		
Isaac Gourdeau	Contract keeping light	2,300 00	
J. Bédard	Lamps, iron and repairs	30 05	
R. Blakiston	Sails, etc	63 10	
Beaudet & Chinic	Paint, screws and iron	100 46	
G. T. Davie	Repairs and painting	353 06	
J. F. Dobbin	Repairing clocks	4 25	
W. Déchên	Watching	40 00	
M. Dunn	Soap	12 00	
J. Gaudle	Towage	10 00	
F. Gunn	Rope, etc	57 86	
E. Giroux	Drugs	11 65	
L. Girard	Cushions	8 00	
J. Hamel & Co	Glass cloth	2 91	
Jewell & Learmonth	Towage	100 00	
St. Lawrence Steam Navigation Co.	do	50 00	
A. J. Turcotte	Brooms and brushes	8 45	
A. E. Vallerand	Chimneys and wicks	2 55	
C. Vézina	Chains and hooks	67 60	
J. H. Clint	Lumber	3 46	
R. W. Battis	Towage	25 00	
	Fog-Whistle.		
A. Bernier	Laying up	29 00	
J. Cambray	43¼ cords of wood, at $3.25	140 55	
S. J. Shaw & Co	Hose, joints, etc.	46 36	
G. T. Phillips	Lead pipes, cocks, etc	273 97	
E. Bélanger	Outfit	50 30	
N Debreis	do	12 50	
R. Joyce	Coaling	15 75	
J. Marmen	2 cords of wood	5 20	
M. Dunn	Tallow	2 40	
O. Pelletier	19 cords of wood, at $3.25	61 76	
G. T. Phillips	Outfit to engines	100 77	
T. Hamel	Cementing boiler	74 50	
W. H. Crawford & Co.	12 chaldrons coal, at $6.50.	78 00	
			4,141 46
	Martin River.		
an Gauthier	12 months salary as Keeper $296 24		
do	do superannuation tax 3 76		
		300 00	
do	Fuel	25 00	
do	Board and repairs	123 70	
do	Stamps	1 25	
Beaudet & Chinic	Paint, nails, etc.	43 96	
	Carried forward	493 91	47,420 35

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		493 91	47,420 35
	Martin River—Concluded.			
J. H. Clint	Lumber		237 76	
E. Giroux	Drugs		6 85	
J. Hamel & Co.	Glass cloth and bags		53 81	
T, Parent.	Lime		3 25	
T. Paradis	Sawdust		9 20	
Quebec Steamship Co.	Passage of men		24 00	
T. Routier	Repairs to house.		321 50	
F. Turgeon	do		94 37	
G. M. Webster & Co.	Cement		4 50	
				1,249 15
	Maquereau Point.			
A. Bertrand.	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel		20 00	
do	Painting and repairs		70 80	
do	Freight and postage		4 85	
Beaudet & Chinic.	Paint, nails, etc		12 16	
J. Bédard.	Lamps, burners and repairs		22 45	
E. Giroux	Drugs		3 40	
J. Hamel & Co	Glass cloth		2 37	
A. E. Vallerand	Lamps and chimneys		3 90	
				439 93
	Matane.			
Oct. Desjardins	12 months salary as Keeper	$296 88		
do	do superannuation tax	3 12		
			300 00	
do	Painting and repairs		14 71	
do	Fuel		20 00	
J. Bédard	Stove, burners, etc		26 35	
Beaudet & Chinic	Stove polish and brushes.		7 00	
J. F Dobbin	Repairing clock		1 00	
E. Giroux et Frère	Drugs		12 65	
J. Hamel & Co.	Glass cloth		2 37	
T Parent.	Lime		1 75	
J. St. Pierre	Freight on stove, etc.		2 00	
				387 83
	Manicouagan Lightship.			
R. Leblanc	Contract for repairing light		2,800 00	
Beaudet & Chinic.	Varnish, tools and iron		125 86	
R. Blakeston	Sails		50 55	
J. H. Clint	Lumber		35 99	
R. W. Battis	Towage		20 00	
M. Dunn	Soap		12 00	
J. F. Dobbin	Repairing clocks		2 25	
A. Fraser & Co	Freight		3 50	
F. Gunn.	Rope and canvas		34 65	
E. Giroux	Drugs.		10 65	
A. Flamand	Painting		35 00	
J. Hamel & Co	Glass cloth		2 91	
W. T. Davie	Towage		10 00	
Geo. T. Davie	Wintering		200 00	
do	Repairs		673 31	
T. Parent.	Lime		1 75	
J. Ruel	Laying up		38 63	
A. E. Vallerand	Chimneys and burners		15 70	
L. P. Vohl	Marine glass.		17 00	
	Carried forward		3,072 75	49,497 26

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts	$ cts.
	Brought forward		3,072 75	49,497 26
	Manicouagan Lightship—Concluded.			
C. Vezina	Chain and hooks		6 00	
St. Lawrence Steamship Navigation Co.	Towage		60 00	
J. Sullivan	Chain cable		413 47	
A. J. Turcotte	Brooms and brushes		10 70	
J. Bédard	Stove, pipes, reflectors, etc		53 45	
	Fog Whistle.			
R. Leblanc	Paid for 111½ cords wood, at $3		334 50	
Carrier, Lainé & Co.	Steel plates		20 68	
G. T. Phillips	Valves, brasses, hose, etc		317 85	
S. J. Shaw & Co.	Packing, cleaners, etc		17 85	
J. Ruel	Outfitting engine and boiler		192 61	
Beaudet & Chinic.	Files, wrench, etc		14 61	
A. Kerr	Coaling		18 00	
M. Dunn	Tallow		4 00	
T. Hamel	Cementing boiler		65 50	
W. H. Crawford & Co.	15½ chaldrons coal, at $6.50		100 75	
A. J. Turcotte	15 gallons olive oil, at $1.10		16 50	
				5,746 22
	Metis Lighthouse.			
J. Martin	12 months salary as Keeper	$296 24		
do	do superannuation tax	2 76		
			300 00	
do	Fuel and horse keeping		40 00	
do	Repairing stable and postage		29 50	
J. Hamel & Co	Glass cloth		2 37	
Beaudet & Chinic.	Pans, dusters, brushes		1 80	
T. Parent	Lime		1 75	
				375 42
	Montée du Lac.			
Ed. Simard	12 months salary as Keeper	$395 00		
do	do superannuation tax	5 00		
			400 00	
do	Fuel		30 00	
Beaudet & Chinic.	Glass, saw, nails, nuts		27 34	
J. Bédard	Tinware and stovepipe		7 35	
J. H. Clint	Lumber		81 22	
J. Desgagné	Boat hire		39 00	
J. F. Dobbin	Repairing clock		1 50	
Drum Manufacturing Co.	Saw dust		1 20	
E. Giroux et Frère	Drugs		24 45	
F. Gunn	Canvas and rope		28 30	
J. Hamel & Co	Glass cloth		4 87	
J. Morissette	Repairs		212 52	
T. Parent	Water cask and lime		7 00	
J. Sullivan	Water tank		40 00	
E. Simard	Expenses keeping light in fall		31 00	
A. J. Turcotte	Provisions		29 61	
A. E. Vallerand	Lamps and chimneys		4 75	
				970 11
	Montmagny.			
J. Bte. Robin	Salary for season		50 00	
E. Chanteloup	Repairing reflector		1 50	
				51 50
	Carried forward			56,640 51

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ ct
	Brought forward			56,640
	Murray Bay.			
Elie Maltais	Salary for season		40 00	
F. Gunn	Manilla rope		4 13	
St. Lawrence Steamship Navigation Co	Freight		2 50	
Richelieu and Ontario Navigation Co	do		0 80	
				47
	Oak Point.			
M. Geraghty	12 months salary as Keeper			150
	Orleans Range.			
B. Roberge	12 months salary as Keeper, St. Pierre		70 00	
J. Roberge	do do do		70 00	
A. Asselin	do do Ste. Famille		70 00	
P. Paquet	do do do		70 00	
J. Huot	do do Ange-Gardien		70 00	
A. Trudel	do do do		70 00	
do	Fuel		4 00	
J. Huot	Fuel, $4.00; cartage, 50 cts		4 50	
A. Asselin	Fuel, $4.00; repairs, $11.51		15 51	
Audet & Robitaille	Rope, blocks, etc		10 25	
Beaudet & Chinic	Tools		17 80	
J. G. Bruneau	Supplying lights		17 50	
E. Chanteloup	Head lights		162 50	
J. Desgagné	Bateau hire		40 00	
J. Faucher	Cutting trees		8 00	
J. Morissette	Repairs		7 70	
A. Marmen	Services		7 70	
P. Paquet	Fuel, $4.00; ladder, $3.00		7 00	
H. Roberge	Fuel, $4.00; repairs, $11.10		15 10	
J. Roberge	Fuel, $4.00; freight, $5.60		9 60	
do	Repairs		3 67	
A. J. Turcotte	Provisions		16 51	
J. Bédard	Stoves, pipes, lamps, etc		10 85	
A. E. Vallerand	Lantern, lamps and chimneys		9 10	
				787
	Paspébiac.			
Jno. Loisel	12 months salary as Keeper	$148 12		
do	do superannuation tax	1 88		
			150 00	
do	Fuel, $20.00; freight and repairs, $11.50		31 50	
do	Blowing fog horn		30 00	
do	Cartage of supplies		5 10	
Beaudet & Chinic	Axes, nails, tacks		7 68	
J. Bédard	Stove, pipe, etc		14 70	
J. Hamel & Co	Glass cloth		2 37	
F. Gunn	Canvas		12 38	
				253
	Percé.			
C. Bourget	12 months salary as Keeper	$ 197 48		
do	do superannuation tax	2 52		
			200 00	
do	Fuel		25 00	
do	Painting tower		10 50	
Beaudet & Chinic	Glass cutter		4 25	
J. Hamel & Co	Glass cloth		2 37	
A. E. Vallerand	Chimneys, burners and lamps		18 75	
do	Fog-horn		25 10	
				285 9
	Carried forward			58,164 9

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc. — *Continued.*

			$ cts.	$ cts.
	Brought forward			58,164 93
	Pilgrims.			
D. Desjardins	12 months salary as Keeper	$ 335 76		
do	do superannuation tax	4 88		
			340 64	
do	Fuel and water		68 00	
do	Repairs		24 40	
Beaudet & Chinic	Nails		0 15	
F. Gunn	Marline		1 40	
J. Hamel & Co	Glass cloth		2 37	
C. & W. Wurtele	Cement		4 50	
				441 46
	Pillars.			
L. D. Babin	12 months salary as Keeper	$ 444 40		
do	do superannuation tax	5 60		
			450 00	
do	Repairs to house		250 00	
do	Painting		35 29	
Beaudet & Chinic	Paint, iron, axes, files, etc		45 55	
J. Bédard	Stove, boiler and box		14 75	
F. Derouin	Blocks		6 00	
Dinning & Brown	Vice		6 72	
J. F. Dobbin	Repairing clock		2 50	
J. B. Dutil	Oars		2 50	
F. Gunn	Rope		29 89	
J. Hamel & Co	Glass cloth, curtains, etc		8 25	
G. Seifert	Telescope		8 00	
L. P. Vohl	do		14 00	
E. Brousseau & Co	Spout		1 86	
L. D. Babin	Fuel		25 00	
				900 31
	Plateau.			
T. D. Bond	12 months salary as Keeper		350 00	
do	Fuel, $50; boat, $15		65 00	
J. Bédard	Stovepipe		11 75	
Beaudet & Chinic	Putty, grindstone, nails, etc		6 79	
F. Derouin	Sheaves		1 80	
J. F. Dobbin	Repairs to clock		1 25	
E. Giroux et Frère	Drugs		7 60	
J. Hamel & Co	Glass cloth		2 37	
				446 56
	Point des Monts.			
L. F. Faffard	12 months salary as Keeper	$ 695 00		
do	do superannuation tax	5 00		
			700 00	
do	Repairing boat and tower		74 25	
Beaudet & Chinic	Nails, zinc, paint, etc		85 08	
J. Bédard	Repairing lamps and reflectors		21 45	
E. Cazeau	Sleigh		21 00	
J. H. Clint	Lumber		43 61	
F. Derouin	Blocks		3 00	
A. Fraser & Co	Freight		5 65	
Fisher & Blouin	Horse blanket		4 40	
E. Giroux et Frère	Drugs		16 20	
J. Hamel & Co	Glass cloth		10 60	
T. Houghton	Horse Shoes		4 80	
B. Leonard	Wall paper		3 75	
T. Parent	Lime		11 50	
S. Peters	Lumber		13 20	
	Carried forward		1,018 49	59,953 26

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward		1,018 49	59,953 26
	Point des Monts—Concluded.			
P. P. Pouliot	Boat		12 00	
G. T. Phillips	Sheet lead		1 80	
J. B. Renaud et Cie	Hay, oats and bran		49 03	
J. & W. Reid	Felt		1 38	
S. J. Shaw & Co	Solder		0 80	
A. E. Vallerand	Chimneys		10 15	
				1,093 65
	Point Rich.			
F. Lemieux	12 months salary as Keeper	$595 00		
do	do superannuation tax	5 60		
			600 60	
do	Fuel		60 00	
R. Blakiston	Sails		37 80	
Beaudet & Chinic	Glass cutter, files, etc		10 56	
J. Bédard	Stovepipe		7 75	
J. Dawe	Boat		84 00	
E. Giroux et Frère	Drugs		6 10	
J. Hamel & Co	Glass cloth		4 71	
G. T. Phillips	Valve, stock and dies		6 80	
J. B. Renaud & Co	Bran		1 00	
N. Tardif & Co	Spar		1 25	
				820 57
	Point aux Orignaux.			
J. H. Beaulieu	12 months salary as Keeper	$246 88		
do	do superannuation tax	3 12		
			250 00	
do	Fuel		12 00	
J. Bédard	Stovepipe		0 95	
Beaudet & Chinic	Axe, etc		1 70	
J. B. Duil	Oars		5 50	
F. Gunn	Rope		4 38	
J. Hamel & Co	Glass cloth		1 83	
Chs. Letellier	Stove and pipes		13 50	
J. Sullivan	Davits		23 40	
				313 26
	Point St. Laurent.			
Ed. Chabot	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
Beaudet & Chinic	Paint, nails, etc		6 32	
J. H. Clint	Shingles		3 60	
L. Garneau	Repairs		10 00	
J. Hamel & Co	Glass cloth		2 37	
J. Sullivan	Davits		23 40	
				345 69
	Point St. John.			
Chas. Langlois	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	Fuel		16 00	
do	Repairs to tower		30 50	
do	Cartage		5 20	
Beaudet & Chinic	Nails		3 82	
J. H. Clint	Lumber		61 51	
J. Hamel & Co	Glass cloth		1 65	
	Carried forward		418 68	62,526 43

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc—*Continued.*

			$ cts.	$ cts.
	Brought forward		418 68	62,526 43
	Point St. John—Concluded.			
J. Sullivan	Davits		23 40	
A. E. Vallerand	Lamps and chimneys		2 55	
J. Bédard	Buckets		1 33	
				445 96
	Portneuf (B).			
D. Tremblay	12 months salary as Keeper	$345 60		
do	do superannuation tax	4 40		
			350 00	
do	Fuel		30 00	
do	Horse keep		12 00	
do	Freight of boat		5 00	
do	Repairs to boat, ladders, etc		8 00	
Audet & Robitaille	Rope and jib rings		4 90	
Beaudet & Chinic	Files, tacks, spade, etc		6 47	
J. Bédard	Stovepipes		5 10	
E. Giroux et Frère	Drugs		7 80	
J. Hamel & Co	Glass cloth		2 37	
P. P. Pouliot	Boat		161 00	
A. E. Vallerand	Lamp, chimneys and burners		3 10	
R. Blakiston	Sails		57 30	
				653 04
	Red Island Lightship.			
L. T. Delisle	Contract keeping light		2,400 00	
J. Bédard	Tinware, pipes, etc		54 70	
Beaudet & Chinic	Paint, nails, varnish, etc		182 21	
R. W. Battis	Towage		20 00	
Aug. Charrier	Watching		70 50	
E. Chanteloup	Repairing lamps		7 00	
W. T. Davie	Towage		10 00	
J. B. Dutil	Oars		11 00	
L. T. Delisle	Repairs and freight		5 92	
Geo. T. Davie	Wintering and repairs		360 68	
A. Flamand	Painting		35 00	
L. Guerard	Cushions		16 00	
F. Gunn	Rope, canvas and oakum		124 57	
E. Giroux et Frère	Drugs		6 60	
J. Hamel & Co.	Glass cloth		2 91	
M. Dunn	Soap		12 00	
St. Lawrence Steam Navigation Co	Towage		50 00	
G. Seifert	Telescope		8 00	
J. Sullivan	Chain cable		416 65	
A. J. Turcotte	Brooms and brushes		7 15	
A. E. Vallerand	Chimneys, burners, etc		9 00	
				3,809 89
	Fog Whistle.			
L. Couture	Laying up		30 50	
M. Dunn	Tallow		8 00	
Thos. Pelletier	39 cords wood, at $3		117 00	
Nap. Rioux	18¾ do 3		56 25	
S. J. Shaw & Co	Packing, rubber, files, etc		34 45	
A. J. Turcotte	41½ gallons olive oil, at $1.10		45 47	
G. T. Phillips	Inspirators, valves, cocks, etc		467 68	
Geo. Fagot	Outfit, engine and boiler		35 18	
A. Kerr	Coaling		15 75	
J. Marmen	1 cord wood		2 60	
W. H. Crawford & Co	23 chaldrons coal, at $6.50		149 50	
				962 38
	Carried forward			63,397 70

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			68,397 70
	Red Island Lighthouse.			
Elz. Fraser	12 months salary as Keeper	$653 72		
do	do superannuation tax	6 28		
			660 00	
do	Repairs		4 25	
Beaudet & Chinic	Door knobs, brushes, etc.		31 13	
J. H. Clint	Lumber		19 42	
J. B Dutil	Oars		5 50	
E. Giroux et Frère	Drugs		40 15	
J. Hamel & Co	Glass cloth		8 85	
L. Leclerc	Iron rails		43 75	
T. Parent	Lime and water barrels		19 50	
St. Lawrence Steam Navigation Co	Freight		0 75	
A. E. Vallerand	Chimneys and burners		8 00	
T. Routier	Oil shed		77 70	
				919 00
	Rivière du Loup.			
L. T. Puize	Salary for season		60 00	
A. E. Vallerand	Lamps and chimneys		24 20	
J. Bédard	Lamps repaired		1 75	
St. Lawrence Steam Navigation Co.	Freight		5 20	
Richelieu and Ontario Navigation Co	do		0 75	
				91 90
	St. Alphonse.			
Chas. Potvin	Salary for season		40 00	
St. Lawrence Steam Navigation Co	Freight		2 10	
				42 10
	St. Francis Range.			
J. Lepage	12 months salary as Keeper		75 00	
L. Marceau	do do		75 00	
do	Fuel		12 00	
J. Lepage	do		12 00	
L. Marceau	Painting		2 50	
Beaudet & Chinic	Locks		0 60	
J. H Clint	Lumber		9 40	
L. R. Demers	Travelling expenses		3 75	
A. E. Vallerand	Chimneys		2 05	
J. Bédard	Stovepipe		0 60	
				192 90
	Seven Islands.			
F. Arcand	12 months salary as Keeper	$495 00		
do	do superannuation tax	5 00		
			500 00	
do	Fuel		30 00	
do	Board of carpenters		129 60	
J. Bédard	Lamps, chimneys and stovepipe		28 50	
Beaudet & Chinic	Iron, shovels, nails, etc.		31 69	
J. H. Clint	Lumber		152 78	
A. Fraser & Co	Passage of men		21 60	
J. Hamel & Co	Glass cloth		3 09	
F. Lachance	Boards, sand, etc.		21 50	
L. Magnan	Repairs		150 50	
	Carried forward		1,069 26	69,643 60

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward	1,069 26	69,643 60
	Seven Islands—Concluded.		
T. Parent	Lime	9 25	
G. Perrin	Bricks	18 75	
T. Routier	Repairs	119 50	
C. Vézina	Chains and shackles	17 50	
A. E. Vallerand	Chimneys	3 90	
G. M. Webster & Co	Cement	27 00	
			1,265 16
	Upper Traverse Lightship.		
Edouard Pelletier	Contract keeping light	1,580 00	
do	Repairs	83 37	
Audet & Robitaille	Oakum and blocks	5 50	
R. W. Battis	Towage	10 00	
Beaudet & Chinic	Iron, nails, etc	72 08	
R. Blakiston	Sails and repairing flags	68 00	
J. Bédard	Galvanized iron, swing heads	27 60	
J. H. Clint	Lumber	23 72	
M. Dunn	Soap	12 00	
Geo. T. Davie	Wintering, pumps, pipes, etc	396 00	
L. T. Delisle	Services	54 25	
J. F. Dobbin	Repairing clock	3 75	
J. B. Dutil	Oars	11 00	
A. Flamand	Painting	30 00	
E. Giroux et Frère	Drugs	17 70	
F. Gunn	Rope, canvas	80 25	
J. Hamel & Co	Glass cloth	1 47	
Jewell & Learmonth	Towage	80 00	
J. Marmen	2 cords of wood	5 20	
T. Parent	Water casks	5 25	
St. Lawrence Navigation Co	Towage	50 00	
A. E. Vallerand	Chimneys and wicks	20 85	
C. Vézina	Chains and hooks	9 40	
A. J. Turcotte	43⅝ gallons linseed oil, 67½ c.	29 63	
do	Brooms and brushes	2 05	
			2,679 07
	BUOYS AND BEACONS.		
E. Landry	Placing and lifting, Carleton Point	30 00	
Wm. Leslie	do	10 50	
O. Pelletier	Placing in Traverse	40 00	
D. F. de St. Aubin	Placing and lifting, Matane	81 55	
J. Cassidy	do Amherst Island	25 00	
F. X. Cauchon	do North Channel	72 00	
Eug. Hammond	do Montmagny	30 00	
T. Girouard	do Bersimis	50 00	
P. D. Rouleau	do Cock Point	32 00	
J. Eden	do Gaspé	46 75	
Le Boutillier Bros	do	15 00	
H. Leblanc	do New Richmond	28 60	
E. Maltais	do Malbaie	10 50	
St. Lawrence Steam Navigation Co	Hire of boat to place buoys	361 78	
Dinning & Brown	do do	131 25	
SS. "Vega"	do do	93 35	
Corporation Pilots	Placing buoys	20 00	
C. Vézina	Chains, shackles and ironing buoys	604 70	
A. Samson	Travelling expenses	24 00	
T. Parent	Repairs to buoys	1,777 20	
J. H. Clint	Lumber	4 80	
L. Nadeau	Towage	450 00	
	Carried forward	3,938 98	73,587 83

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		3,938 98	73,587 83
	BUOYS AND BEACONS—*Concluded.*			
Hy. Black	Sinkers		1,304 54	
Audet & Robitaille	Spun yarn, tar, &c		11 30	
J. Lynch	Chain		105 15	
L. R. Demers	Labour		4 00	
Wm. Tweddell	Towage		10 00	
Wright & Co	Anchors		544 13	
F. Gunn	Rope		62 13	
Beaudet & Chinic	Iron		269 80	
J. Berrigan	Labour		2 00	
J. H. Powell	Salvage		125 00	
Bisset Bros.	Castings		68 45	
Jos. Guay	Freight on chains		8 00	
P. Leclerc	Salvage		15 00	
J. J. Foote	Advertising		10 75	
T. Courbion	Salvage		20 00	
L. Brosseau	Advertising		3 00	
T. Parent	New buoys		780 00	
J. Cunningham	Scraping and painting		58 50	
Jewell & Learmonth	Placing		60 00	
				7,400 73
	BUOYS (GAS).			
J. Joncas	Harbour dues		8 92	
G. H. Gore	Cementing		7 25	
L. Demers	Paid labour		22 00	
R. Fortin	Labour		21 00	
E. Dufour	do		57 00	
G. T. Phillips	Steam valve, hose, etc		327 28	
Allans, Rae & Co.	Freight		481 04	
J. B. Dussault	Caretaking		6 00	
S. J. Shaw & Co	Gauges		26 53	
C. Vézina	Laying up and outfit		293 31	
H. Hicks	Making gas		187 00	
O. Pelletier	Placing a buoy		82 00	
Beaudet & Chinic	Iron		106 00	
Bisset Bros.	Bolts, nuts, etc		18 47	
G. M. Webster & Co	Cement and coke		174 00	
E. Chanteloup	Repairing lamps		30 00	
T. Turner	Outfit		34 60	
Eug. Bélanger	Making gas		257 50	
M. Dunn	Tallow		4 00	
				2,143 90
	BEACONS.			
S. Peters	Lumber		94 46	
J. H. Clint	do		61 15	
J. Desgagné	Repairs		108 00	
J. Lebel	Deals		11 93	
Beaudet & Chinic	Iron		7 00	
T. Parent	Lime		5 25	
T. Deschenes	New beacon		45 00	
				332 79
	AGENCIES, RENTS AND CONTINGENCIES.			
J. U. Gregory	12 months salary as Agent	$2,155 99		
do	do superannuation tax	44 00		
			2,199 99	
L. A. Blanchet	do salary as Accountant	$980 01		
do	do superannuation tax	20 00		
			1,000 01	
	Carried forward		3,200 00	83,465 25

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		3,200 00	83,465 25
	AGENCIES, RENTS AND CONTINGENCIES—*Concluded.*			
E. E. Buteau	12 months salary as Clerk	$882 00		
do	do superannuation tax	18 00		
			900 00	
J. G. Bruneau	do salary as Clerk		871 20	
G. D. O'Farrell	do do		688 80	
A. G. Tourangeau	Postage		237 08	
J. Bédard	Boxes		6 90	
Bell Telephone Co	Rent		85 00	
A. B. Cherrier	Directory		5 00	
Dawson & Co.	Books, ink, and binding		38 15	
J. P. Dery	Ink, mucilage, etc		54 60	
T. Delany	Ice		4 00	
J. F. Dobbin	Repairing clock		1 00	
J. J. Foote	Subscription to "Chronicle"		6 00	
F. Gunn	50 tons coal, $3		150 00	
B. King	Washing		22 50	
C. E. Holiwell	Ink		8 00	
G. T. Phillips	Repairing tanks, valves, etc		24 10	
G. M. Webster & Co	20 730/2240 tons coal, $6.50	$132 38		
do	15 1110/2240 do 6.50	101 10		
			233 48	
Beaudet & Chinic.	Twine and tacks		2 55	
				6,538 36
	GENERAL ACCOUNT.			
A. E. Vallerand	Lanterns, chimneys, wicks, lens, sponges, foghorns		1,500 40	
O. Simard	Canisters, pumps and tanks		289 20	
Audet & Robitaille	Flag, rope, canvas, etc		343 96	
Beaudet & Chinic.	Paint, turpentine, iron, plate glass, etc		2,085 46	
E. Chanteloup	Chimneys, wicks and burners		1,576 20	
Imperial Oil Co.	11,487·57 galls. petroleum, 22c		2,527 26	
do	13,893 do 25c		3,473 26	
J. Hamel & Co	Flannel, towelling, chamois skins		1,034 03	
A. W. Glassford	Brass tubes and steel plates		247 09	
Beaudet & Chinic.	65,000 lbs. powder, 20c	$13,000 00		
do	Crossing do	97 50		
do	Cartage	65 00		
do	Blankets	41 50		
do	Storage	220 00		
			13,424 00	
J. B. Dutil	Oars		188 00	
N. Fitzhenry	Bags		206 16	
J. H. Clint	Lumber		389 51	
L. A. Blanchet	Petty expenses		253 80	
Dawson & Co	Stationery, log books, etc		89 55	
G. M. Webster & Co	12 chaldrons coal, $8		96 00	
A. R. Pruneau	3 tons coal, $7.50		22 50	
International Coal Merchants' Co	46 do 2 00		92 00	
J. A. Langlais	Books		71 00	
McDougall, Logie & Co.	Paints		141 59	
Jno. Dawe	Tank		60 00	
P. P. Pouliot	Boat		108 00	
A. J. Turcotte	86½ galls. turpentine, 75c		64 88	
do	127⅔ galls. linseed oil, 67½c		86 10	
do	Matches and brooms		22 20	
G. T. Annett	Freight, 46 tons coal, $1.50		69 00	
E. Cazeau	Wheels		14 00	
J. Sullivan	Davits, chain and tank		71 38	
Carrier, Lainé & Co	Nozzles, tongues, etc		144 40	
M. Coulombe	5 cords maple, $4		20 00	
	Carried forward		28,710 93	90,003 61

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward	28,710 93	90,003 61
	GENERAL ACCOUNT—*Continued.*		
S. Peters	Lumber	49 85	
M. Couturier	Soap	11 61	
M. Alexander	Spars	12 00	
E. Giroux et Frère	Drugs	18 43	
Plamondon & Auger	Empty barrels	38 40	
W. M. P. Webster	Shovels	8 00	
F. Dobbin	Clock	3 50	
J. P. Dery	Books and bills of lading	46 40	
J. Maloney	Yarn	3 30	
T. Routier	Repairs	1,440 92	
A. Bedigaré	Repairing locks	8 95	
T. Parent	Cooperage	73 40	
G. T. Phillips	Repairs	38 40	
L. Guerard	Boards	3 15	
J. Couturier	Labour	69 00	
C. Grenier	Landing fog-horn	28 60	
J. Naulin	Transporting fog-horn	10 00	
E. Chanteloup	Resilvering reflector	36 75	
T. Falardeau	Knees and poles	5 50	
Fradette & Sons	Repairing boiler	220 00	
P. Rouillard	do bags	12 50	
Hy. Black	Castings	16 25	
E. Mathurin	Repairs	30 00	
J. O'Dowd	Labour	13 50	
T. Parent	Lime and empty barrels	9 50	
M. Cottrell	do do	4 00	
E. Desgagné	Chimney cleaners	18 00	
S. J. Shaw & Co	Lock	0 60	
J. B. Dussault	Keeping canoe at L'Islet	5 00	
L. D. Babin	do St. Jean Port Joli	5 00	
J. Painchaud	do Crane Island	5 00	
T. Desroches	do Murray Bay	5 00	
D. Damour	do Trois Pistoles	5 00	
R. Leblanc	do Kamouraska	5 00	
P. Lafrance	do Ste. Anne	5 00	
E. Chamard	do Father Point	5 00	
L. Raymond	do Rivière du Loup	5 00	
J. B. Dussault	Repairing canoe	28 25	
G. Mercier	Shed	40 00	
D. Damour	Repairing shed	7 00	
T. Desroches	do and canoe	12 30	
J. Eden	Coal yard rent	100 00	
do	Salary	100 00	
L. A. Blanchet	Petty expenses	129 88	
A. Côté et Cie	Advertising	2 20	
L. Brousseau	do	2 20	
St. Lawrence Steam Navigation Co	Freight	2 95	
Steamer "Quebec"	do	10 66	
T. J. Lamontagne	do	106 67	
J. Lebrun	do	5 00	
W. McPherson	do	25 71	
Quebec Steamship Co	do	2 81	
J. U. Gregory	Travelling expenses	59 10	
G. N. W. Telegraph Co	Messages	232 39	
L. R Demers	Expenses landing supplies	26 50	
J. Eden	Postage, telegram and cartage	25 41	
J. G. Bruneau	Expenses landing supplies	75 10	
O. Pelletier	Telegraphing	63 50	
Queen's Wharf	Rent	251 91	
A. Marmen	Services	92 00	
W. C. Scott	Freight	2 00	
	Carried forward	32,389 98	90,003 61

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Concluded.*

		$ cts.	$ cts.
	Brought forward	32,389 98	90,003 61
	GENERAL ACCOUNT—*Concluded.*		
S. Carroll	Ferriage	3 00	
T. Berrigan	Cartage	42 60	
Canadian Pacific Ry	Freight	3 00	
Dominion Express Co	do	4 20	
J. Desgagné	Labour	6 00	
J. Marmen	Cartage	418 25	
N. Fitzhenry	Wages, April	45 00	
J. Langelier	Deeds	4 00	
J. McCann	Cartage	2 80	
A. B. Cherrier	Directory	5 00	
J. J. Foote	Advertising	6 80	
J. Bédard	Lamps, pipes and repairs	631 20	
Jno. Lynch	Blocks	16 00	
J. & W. Reid	Paper	4 20	
L. Raper	Potash	12 00	
M. Lemieux	Bags	20 58	
M. Fitzhenry	do	111 08	
F. Falardeau	Poles	2 00	
L. Nadeau	Bags	15 75	
M. Dunn	Soap	120 00	
Jackson Rae	Fire grenades	144 00	
G. T. Phillips	Emery cloth, thumb screws	43 85	
Department of Militia and Defence	Charges on friction tubes	60 75	
H. M. Paymaster-General	Friction tubes	790 51	
"Daly Telegraph"	Advertising for tenders for supplies	2 20	
"Nouvelliste"	do do	2 20	
"Canadien"	do do	2 20	
Chance Bros & Co	Ruby glass chimneys	425 91	
Pintsch's Patent Lighting Co	Gas buoys, and charges	5,979 92	
			41,314 98
			131,318 59
Queen's Printer	Printing, etc		222 21
	Total		131,540 80

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 6

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, etc., in Nova Scotia, for Fiscal Year ended 30th June, 1887.

	MISCELLANEOUS.	$ cts.	$ cts.
Henry Watt	Fitting Steamboat Inspector's office	72 00	
do	Altering and repairing blacksmith's shop at wharf	18 92	
J. E. Butler	Boat and oars	45 50	
J. E. Lordly	Brooms and pails	66 89	
do	Toilet soap for office	3 20	
Dominion Paint Co	Antifouling paint, naphtha and alcohol	151 00	
John Cawsey	Building chimney	19 50	
J. Dempster & Co	Materials for Steamboat Inspector's office	40 25	
do	Skylight and doors for store	87 75	
John Murray	Delivering supplies	2 00	
Thos. Ead	Labour on coal	9 50	
T. D. Corbett & Co	44 tons coal, at $3.50	154 00	
City of Halifax	Water rates, 1 year	250 00	
do	Hydrant	22 20	
James M. Davis	Storage life-boat	13 00	
A. McAskill	2 barrels cement	8 50	
J. Hogan & Co	Cement, lumber, shingles, ladder, etc	197 08	
Bell Telephone Co	Rent of telephones	107 01	
J. E. Fielding	Freight, lighthouse supplies	2 75	
P. S. Hatfield	Survey and plan of land, life-boat station, Yarmouth	6 75	
Wallace Graham	Professional services	42 42	
Alfred Graves	Coopering oil	5 00	
Macdonald & Co	Whistle valves, lamps, lanterns, repairing lighthouse gear	276 17	
J. McLearn & Son	Hay for packing	1 20	
Intercolonial Coal Co	Coals	20 30	
John Overy	Cartage, supplies	15 30	
J. R. Gordon	Alcohol, sponges, spirits, wine	88 25	
John White	Repairing oil cans	13 35	
R. H. Cogswell	do clock	1 00	
S. Cunard & Co	Hard coal	22 50	
J. E. Wilson	Stovepipe, repairing stove	11 78	
Geo. E. Cann	Covering for life-boat	10 00	
Fishwick's Express	Freight	2 60	
Creighton & Marshall	Letter book, envelopes, paper, charts	15 78	
Jacob Bowser	Building store	309 00	
S. S. Shanks	Repairing coal bags	55 00	
J. S. Maclean	Freight, wicking	2 68	
R. E. Monk	Labour practising in life-boat, Duncan's Cove	21 00	
Silber & Fleming	Lamp wick	21 20	
William Thomas	Painting store	12 00	
Hon. W. H. Owen	Professional services	112 00	
Edward Crosby	Land for life-boat station, Yarmouth	50 00	
E. F. Williams	Oars for life-boats	24 77	
C. R. Coker	Inspecting vessels	18 25	
A. W. Mackinlay	Stationery	69 87	
Intercolonial Express	Freight and rubber stamp	10 75	
Geo. E. Morton	Postage stamps	184 66	
do	Map of Cape Breton	2 00	
Reuben Smith	Securing stages at wharf	5 00	
Wm. Gossip	Stationery for light-keepers	20 73	
Henry Haverstocks	Boxes	45 00	
Intercolonial Railway	Freight	20 40	
do	Rent, wharf and stores, 1 year	1,500 00	
	Carried forward	4,287 76	

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward	4,287 76	
	MISCELLANEOUS—*Continued.*		
Steam Gauge & Lantern Co., Mississippi	Lanterns	339 56	
Joseph S. Cashen	Straw	6 15	
Thos. Doyle	Casks	13 75	
John Flemming & Co.	Boat oars	64 30	
Parker & Evans	Boiler compound	82 35	
Cyril Sampson	Freight on oil to pole lights	3 00	
J. E. M. Taylor	Cutting glass	1 00	
Starr Manufacturing Co.	Repairing reflectors	20 00	
Charles Neal	Labour, truckage and freight	1,198 80	
Edward Bennett	Night watching, labour	463 12	
James Major	Labour, etc., wharf and stores	369 00	
Henry Metzler	do do	360 00	
Edward Scanlon	do do	31 50	
Theakston, Angwin & Co	Iron, nuts, waste, brushes, brooms, spikes, nails, paints, oils, etc	237 11	
Henderson & Potts	Paints and oils	734 67	
Geo. E. Smith & Co	Nails, spikes, rope, metal, chamois skins, iron, steel, nuts, washers, paints, oil, etc	290 89	
W. B. Reynolds & Co.	Paints, olive oil	151 14	
A. J. Grant & Co.	Nails, copper, screws, iron, waste, brushes, washers, spikes, paint, oils, etc.	240 01	
J. & K. Christie	Blacksmith's wages	616 08	
Malcom McNeil	do	379 36	
Nova Scotia Glass Co.	Chimneys	248 72	
Wm. Myers	Argand chimneys	2 40	
Union Glass Co	Chimneys	208 80	
J. F. Phelan & Sons	Freight on chimneys	9 88	
John P. Mott & Co	Soap, tallow, lime	292 62	
Burns & Murray	Cotton, crash	64 80	
R. H. Cogswell	Hoisting time ball, 1 year	100 00	
James Simmonds	Tinware	48 10	
Power & Co	do	51 50	
D. Bain	Storage, oil	4 50	
Imperial Oil Co.	13,643·14 galls oil, 22½c	3,069 71	
do	7,578 do 25½c	1,933 39	
do	7,731·40 do 24c	1,855 54	
T. D. Corbett & Co.	Storage, cartage, labour on oil	134 64	
Lawson, Harrington & Co	195 cases oil, at $2.50	487 50	
John Petitpas	Boat knees and timber	40 06	
John Findlay	Building and repairing boats	603 00	
R. A. Guildford	Labour landing coals	200 00	
Thos. Forhan & Co.	Coal bags	695 10	
Archibald & Co	262 tons coal, at $1.60	419 20	
do	Teaming coals, at 15c	39 30	
Joseph Tower	Lighterage, 78 tons coal, at 70c	54 60	
A. C. Anderson	do 75 do 70c	52 50	
David Hurley	do 126 do 70c	88 20	
Joggins Coal Co	422 tons coal, at $1.95	822 90	
Merchants Bank	Lighterage, 143 tons coal, at 80c	114 40	
"Herald" Publishing Co	Advertising	17 20	
Western Union Telegraph Co.	Telegrams	231 29	
Yarmouth Publishing Co	Advertising	6 40	
"Advocate" Publishing Co	do	3 76	
"Acadian Recorder"	Subscription, 1 year	5 00	
"Critic" Publishing Co.	do 2 years	3 00	
do do	Advertising	2 60	
Toronto "Daily Mail"	Subscription, 1 year	7 00	
Liverpool "Times"	Advertising	6 10	
"Presbyterian Witness"	do	2 08	
"Wesleyan"	do	2 08	
"Evening Mail"	do	2 60	
	Carried forward	21,819 02	

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts
	Brought forward		21,819 02	
	MISCELLANEOUS—*Concluded.*			
C. M. Creed	Subscription to Reading Room		6 00	
C. Annand	do "Chronicle" and "Citizen"		11 00	
Yarmouth "Times"	do		2 00	
do	Advertising		4 80	
Annapolis Publishing Co	do		1 25	
Digby "Courier"	do		1 76	
"Colonial Standard"	do		4 32	
Hants "Journal"	do		1 76	
Windsor "Clarion"	do		1 76	
do "Tribune"	do		1 76	
Western "Chronicle"	do		1 76	
North Sydney "Herald"	do		2 10	
"Sun" Publishing Co.	do		6 80	
Colonial "Standard"	do		2 00	
H. W. Johnston	Salary	$ 1,960 00		
Receiver-General	Superannuation tax	40 00		
			2,000 00	
Henry Dolby	Salary	$ 1,078 00		
Receiver-General	Superannuation tax	22 00		
			1,100 00	
John Taylor	Salary	$ 588 00		
Receiver-General	Superannuation tax	12 00		
			600 00	
J. W. Ouldfield	Salary		400 00	
Catherine Ouldfield	Cleaning offices		96 00	
do	Washing office towels		7 50	
Post Office	Rent of box		4 50	
H. J. Morgan	Annual Register		2 50	
J. R. Clendinning	Ice for offices		4 00	
H. G. King & Co	"Nautical Magazine"		3 75	
				26,086 34
	FOG-ALARMS.			
	Brier Island.			
Charles Pugh	Hauling coal and water		38 65	
P. H. Ruggles	Wharfage, 111 tons of coal		11 00	
Edgar Porter	Hauling 23 tons coal, at $1.40		32 90	
Jas. Morrell	do 18½ do		25 90	
do	12 cords of wood, at $4.20		50 40	
Edgar Durkie	Hauling 13 tons coal, at $1.40		18 20	
J. F. Durkie	do 20½ do		28 70	
Holland Graham	do 22¼ do		31 15	
A. D. Suthern	Labour procuring water		7 87	
Frank Suthern	Salary	$ 493 76		
Receiver-General	Superannuation tax	6 24		
			500 00	
				744 7[illegible]
	Cape Sable.			
Macdonald & Co	Machinists' supplies and repairs		108 00	
do	Bolts, nuts, Judson's governor, etc.		57 77	
Henry Carr	Repairing boiler		28 50	
W. A. Moir	Cylinder and piston rods		10 93	
Theakston & Angwin	Shovel and scoop		2 50	
J. K. Doane	Repairs		14 50	
do	Freight and wharfage machinery		9 95	
do	8 cords of wood, at $3.50		28 00	
				260 1[illegible]
	Carried forward			27,091 2[illegible]

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia —*Continued.*

			$ cts.	$ cts.
	Brought forward			27,091 26
	FOG-WHISTLES—*Continued.*			
	Cape d'Or.			
Henry Elliott	Oil, truckages and freight		10 49	
do	12 cords wood, $4		48 00	
Geo. E. Smith & Co.	File, saw, halyards		1 35	
Macdonald & Co	Whistles, valve, gauge glasses		166 50	
Geo. K. Morris	Hauling 50 tons coal		45 00	
Reuben Spence	Repairing clock		1 00	
A. H. Rand	Salary, self and assistant	$396 88		
Receiver-General	Superannuation tax	3 12		
			400 00	
Joseph Kirkpatrick	Salary, self and assistant		400 00	
				1,072 34
	Cranberry Island.			
Archibald & Co.	100 tons coal, $4.60		460 00	
Truro Foundry & Machine Co.	Outfit and erecting alarm, repairing old alarm		1,393 76	
Geo. E. Smith & Co.	Portable forge		33 00	
				1,886 76
	Cross Island.			
Reuben Heisler	Teaming coal		10 80	
do	do oil and stores		22 50	
do	½ cord wood		1 50	
W. & A. Moir	Trip lever		23 07	
Macdonald & Co	Boiler tubes and plugs		4 80	
				62 67
	Cranberry Head.			
James McDonald	Repairing road		40 00	
Archibald & Co	Wharfage and storage machinery		12 50	
do	Oil, rubber, canvas		13 28	
do	Truckage, wharfage supplies		7 75	
Macdonald & Co	Machinists' supplies		35 42	
Wm. Devan	Inspecting erecting machinery		44 75	
H. R. McKenzie	Survey and plan land		26 00	
Robert Musgrave	Iron work		12 47	
John Taylor, jun	Wheelbarrow		4 50	
Geo. E. Smith & Co.	Shovel, lantern, oil		16 25	
General Mining Ass'n.	12¼ tons coal		25 62	
John McKinnon	Carting coal		4 80	
Thos. Peck	Salary		186 30	
				429 64
	Digby.			
W. E. Ellis	Repairs		16 68	
do	Hauling 50 tons coal, at 85c		42 50	
Geo. E. Corbett	Coal and cartage		74 20	
Joggins Coal Co.	50 tons coal		97 50	
do	Lighterage coal		30 00	
				260 88
	St. Paul's.			
Archibald & Co.	100 tons coal, $1.60		160 00	
do	Trimming, 15c		15 00	
do	55 tons coal, $5.50		302 50	
Theakston & Angwin	Portable forge		24 00	
	Carried forward		501 50	30,803 55

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward		501 50	30,803 55
	FOG-WHISTLES—*Continued.*			
	St. Paul's—Concluded.			
Henry Carr	Repairing boiler		78 00	
Macdonald & Co	Tubes, hire tube expander		48 55	
Robt. Muirhead	Salary	$493 76		
Receiver-General	Superannuation tax	6 24		
			500 00	
				1,128 05
	Seal Island.			
People's Bank	21 tons coal, $6		126 00	
Wm. Robertson	2½ cords wood		7 50	
do	Hauling 145 tons coal, 75c.		108 75	
Geo. E. Smith & Co	Nails, spikes, hinges		18 90	
J. Hogan & Sons	Shingles, lumber		176 87	
Jacob Bowser	Building reservoir		177 00	
Macdonald & Co	Tube brushes		7 50	
Halifax Banking Co.	Hauling coal		18 75	
do	Teaming lumber, board carpenters		47 25	
People's Bank	30 tons coal, $6		180 00	
				868 52
	Sambro.			
John Smith	47 cords of wood, at $6		282 00	
Symonds & Co	Condenser crank		85 35	
Mary Myatt	Conveyance do		12 00	
Theakston & Angwin	Shovels, rosin		3 90	
John Fegan	Freight coals		378 10	
do	Board, conveyance engineers		17 00	
Intercolonial Coal Co	189 21/240 tons coals, at $2.80		529 34	
Mayor F. Fereday	Rent, 2 years		0 49	
Alfred Gilkie	Labour on coals		40 50	
do	Board engineers		4 00	
Geo. E. Smith & Co	Tube, brushes, brooms		5 40	
Macdonald & Co	Pump gear		12 25	
do	Winch, inspirator, etc		147 19	
Mich. Ouldfield	Conveyance engineers and machinery		23 00	
Archd. Warner	Travelling expenses		4 00	
				1,544 52
	Scattarie.			
Jacob Bowser	Building reservoir		313 35	
Archibald & Co	105 tons coals, at $4		420 00	
Henry Carr	Repairing boiler		97 10	
Chas. Archibald	Conveyance boiler makers		8 00	
John Stairs & Co	Plate iron, bolts, nuts		21 00	
Starr Manufacturing Co	Bolts and nuts		2 20	
W. & A. Moir	Steam chest		19 66	
J. W. Brown	Labour landing timber and lumber		12 30	
do	Board and conveyance boiler makers		39 75	
				933 36
	Shelburne.			
A. & W. Smith	Freight of coal		240 00	
Intercolonial Coal Co	79 18/20 tons of coal, at $2.80		223 44	
F. Demings	Teaming coal		80 00	
Macdonald & Co	Steam cock, packing, bolts and plates		10 80	
				554 24
	Carried forward			35,832 24

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			35,832 24
	FOG-WHISTLES—*Concluded.*			
	Yarmouth.			
Burrell, Johnson & Co	Repairing and hire of boiler		736 33	
Thos. Doane	Board boiler makers		120 00	
Geo. E. Smith & Co	Shovel, saw, etc		1 75	
Macdonald & Co	Pipe, tongs, tube, brushes		23 75	
do	Steam whistle		65 00	
J. H. Doane	Hauling and trimming coal		44 50	
John Sweeney	15 cords of wood, at $4		60 00	
Joggins Coal Co	80 tons of coals, at $1.95		156 00	
do	Lighterage, coal, at 60 cts		48 00	
				1,255 33
	LIGHTHOUSES.			
	Superintendent.			
C. A. Hutchins	Travelling expenses		489 70	
do	12 months salary as Keeper	$1,176 00		
Receiver General	do superannuation tax	24 00		
			1.200 00	
				1,689 70
	Amet Island.			
J. McFarlane	Window, ladder		2 95	
do	12 months salary as Keeper	$443 76		
Receiver General	do superannuation tax	6 24		
			450 00	
				452 95
	Annapolis.			
Starr Manufacturing Co.	Repairing reflectors		12 00	
W. E Ellis.	Hauling oil and stores		8 00	
do	Stovepipe, mason work		24 55	
do	12 months salary as Keeper	$795 00		
Receiver General	do superannuation tax	5 00		
			800 00	
				844 55
	Apple River.			
S. W. Tate	12 months salary as Keeper		190 00	
Adam McCollough	do		125 00	
				315 00
	Arichat.			
Chris. de Coste	12 months salary as Keeper	$246 38		
Receiver-General	do superannuation tax	3 12		
			250 00	
				250 00
	Argyle.			
H. H. Hamilton	Freight, chimneys		1 50	
do	Repairing boat		4 42	
do	12 months salary as Keeper	$345 64		
Receiver-General	do superannuation tax	4 36		
			350 00	
				355 92
	Abbott's Harbour.			
Freeman D'Entremont	Oil, rope, etc		1 68	
do	12 months salary as Keeper		20 00	
				21 68
	Carried forward			41,017 37

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova-Scotia, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward			41,017 37
	LIGHTHOUSES—*Continued.*			
	Advocate Harbour.			
J. E. Wilson	Stovepipe and back		1 60	
Theakston & Angwin	Chain, lantern		2 60	
Geo. S. Livingstone	Building dam		10 00	
do	Labour removing lighthouse		145 39	
do	12 months salary as Keeper		200 00	
				359 59
	Barrington.			
Geo. S. Snow	Freight and labour on supplies		22 50	
do	12 months salary as Keeper	$345 00		
Receiver-General	do supcrannuation tax	5 00		
			350 00	
				372 50
	Barrington Light Vessel.			
J. E. Wilson	Galvanized iron		2 10	
John White	do pipe		3 00	
J. R. Kenney	Expenses on removing vessel		20 05	
do	Repairs, replacing on station		39 04	
do	12 months salary as Keeper	$496 24		
Receiver-General	do superannuation tax	3 76		
			500 00	
				564 19
	Beaver Island.			
Macdonald & Co	Repairing circular burners		3 50	
John White	Stovepipe		3 50	
J. W. Hall	Repairs		90 10	
do	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
				497 10
	Bird Island.			
Geo. E. Smith & Co	Cut nails		3 25	
Bras d'Or Navigation Co	Freight		1 00	
J. Hogan & Sons	Cedar shingles		39 75	
E. Dauphinée	Freight supplies		6 50	
Angus Campbell	Painting, trucking supplies		30 00	
do	12 months salary as Keeper		400 00	
				480 50
	Black Rock.			
Charles Bobinson	12 months salary as Keeper			330 00
	Black Rock Point.			
D. Morrison	Repairing buildings and road		31 06	
do	12 months salary as Keeper	$345 64		
Receiver-General	do superannuation tax	4 36		
			350 00	
	Boar's Head.			381 06
H. M. Ruggles	Repairing road		50 00	
do	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
				450 00
	Carried forward			44,452 31

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts	$ cts.
	Brought forward			44,452 31
	LIGHTHOUSES—*Continued.*			
	Briar Island.			
Henry Watt	Staying lighthouse		60 00	
Theakston & Angwin	Wire rope		15 15	
Douglas Suthern	Labour staying		8 00	
Chas. Pugh	Carting oil, labour staying		17 00	
E. R. Bailey	Splicing wire stays		5 00	
J. E. Bancroft	Board, labourers		2 00	
do	Repairing dwelling		46 23	
do	12 months salary as Keeper		400 00	
				553 38
	Burnt Coat.			
Prescott Mosher	12 months salary as Keeper			250 00
	Bon Portage.			
Jacob Bowser	Repairs		102 50	
Macdonald & Co	Lamps		24 00	
John Hogan & Sons	Lumber and shingles		66 86	
A. J. Grant & Co	Lead, nails, zinc		13 30	
William Wrayton	12 months salary as Keeper	$345 64		
Receiver-General	do superannuation tax	4 36		
			350 00	
				556 66
	Betty's Island.			
P. Christian, sen	Carting oil		6 50	
do	12 months salary as Keeper		493 76	
Receiver-General	do superannuation tax		6 24	
				506 50
	Brooklyn Pier.			
Fred. S. Gardner	12 months salary as Keeper			30 00
	Beaver Harbour Pole.			
J. F. Anderson	Survey and plan land			26 00
	Canso Harbour.			
Maurice & Kelley	Repairing chimney		18 80	
Lawrence Power	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
				218 80
	Cape Canso.			
A. N. Whitman	Room paper		2 50	
James Lepper	12 months salary as Keeper		865 00	
James Sullivan	do do		30 77	
				898 27
	Carried forward			47,491 92

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ ct
	Brought forward			47,491 9
	LIGHTHOUSES—*Continued.*			
	Cape North.			
John Hogan & Sons	Lumber, ladder		10 62	
John White	Stove pipe, elbows		2 00	
E. Dauphinée	Freight, supplies		1 90	
John McDonald	12 months salary as Keeper		400 00	
				414 5
	Cape George.			
Theakston & Angwin	Nails, spikes, lead		28 63	
D. McLeod	Freight, materials for repairs		35 00	
J. Hogan & Sons	Lumber		105 13	
Brookfield Bros	Shingles, cement, lime		88 15	
John Murray	Boat		14 00	
do	Repairs		215 20	
do	12 months salary as Keeper		200 00	
				686 1
	Church Point.			
Macdonald & Co.	Repairing burners		18 00	
J. H. Saulnier	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
				218 0
	Cape Sable.			
Macdonald & Co	Lamps and repairs		64 50	
J. K. Doane	Carting oil, stores		3 00	
do	12 months salary as Keeper	$794 00		
Receiver-General	do superannuation tax	6 00		
			800 00	
				867 5
	Cape St. George.			
W. J. Condon	Painting, hauling stores		32 40	
do	12 months salary as Keeper		450 00	
				482 4
	Cape St. Mary's			
Maturin Robichau	3 months salary as Keeper		41 14	
B. H. Robichau	Repairing buildings		35 76	
do	9 months salary as Keeper		320 84	
				397 7
	Carter's Island.			
J. W. Harding	Boat		20 00	
Geo. E. Smith & Co.	Putty, metallic paint		2 22	
Robt. McDonald	Painting buildings and building boat landing		119 47	
do	12 months salary as Keeper		250 00	
				391 6
	Carribou Island.			
Roderick McKenzie	12 months salary as Keeper		296 28	
Receiver-General	do superannuation tax		3 72	
				300 0
	Carried forward			51,249 9

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			51,249 88
	LIGHTHOUSES—*Continued.*			
	Chester.			
Uriah Young	Hauling oil		2 00	
do	12 months salary as Keeper		400 00	
				402 00
	Cheticamp.			
P. Robin & Co.	Painting, repairs		26 04	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
				326 04
	Creighton's Head.			
Theakston & Angwin	Nails, spikes, paint		10 64	
J. Hogan & Sons	Lumber		5 27	
Peter Perior	Freight, supplies		12 00	
H. H. Crichton	Building oil store, trucking oil		28 67	
do	Painting, stovepipe, trucking		14 57	
do	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
				271 15
	Chebucto Head.			
Macdonald & Co	Repairing lamps and burners		5 30	
Theakston & Angwin	Pad locks		1 05	
R. H. Cogswell	Clock		7 50	
Edw. Johnson	Repairing road, timber		35 00	
do	Labour on oil		12 00	
do	12 months salary as Keeper	$493 12		
Receiver-General	do superannuation tax	6 88		
			500 00	
				560 85
	Country Harbour.			
Theakston & Angwin	Rope		17 68	
John P. Giffin	Freight, supplies		4 10	
J. H. Giffin	Repairs to lighthouse boat, hauling oil		37 29	
do	12 months salary as Keeper		400 00	
				459 07
	Cross Island.			
Reuben Heisler	Teaming supplies		4 00	
Geo. E. Smith	12 months salary as Keeper	$794 28		
Receiver-General	do superannuation tax	5 72		
			800 00	
				804 00
	Cape Le Ronde.			
Starr Manufacturing Co.	Repairing reflectors		14 00	
Chas. Latimer	Repairs, trucking stores		4 20	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
				318 20
	Cow Bay Beacon.			
J. L. Questle	Repairing lantern		6 50	
J. E. W. Taylor	Ruby glass		6 30	
Arch. McKinnon	Painting and tarring		5 53	
do	12 months salary as Keeper		70 00	
				88 33
	Carried forward			54,479 52

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward		54,479 52
	LIGHTHOUSES—*Continued.*		
	Croucher's Island.		
A. Burchill	Repairing boat	2 00	
Geo Croucher	Fencing lighthouse lot	9 00	
do	12 months salary as Keeper	250 00	
			261 00
	Cape Sharp.		
A. S. Townshend	Freight, lighting gear	1 76	
David Willigar	Boat and oars	29 50	
T. Holloway & Son	Blocks and strapping	12 30	
J. E. Wilson	Stove and pipe	5 75	
Geo. E. Smith & Co	Rope, lantern	6 90	
S. H. Phinney	Care of buildings	75 00	
J. H. Newcomb	Freight and hauling supplies	5 38	
T. O'Neil	Building landing and boat slip	98 00	
Robt. J. Ward	12 months salary as Keeper	168 01	
			402 58
	Carey's Point Pole.		
James Carey	Salary as Keeper for season		46 66
	Crow Harbour.		
John Ehler, 3rd	Painting	10 00	
do	12 months salary as Keeper	300 00	
			310 00
	Devil's Island.		
Wm. Hennebury	Shingling dwelling	8 00	
Henry Watt	Labour, travelling expenses	13 75	
J. Hogan & Sons	Shingles and lumber	29 36	
R. H. Cogswell	Spy-glass	9 00	
Chas. Fulker	Building boat	20 00	
Geo. E. Smith & Co.	Cotton, duck, rope	2 25	
John Smith	6 cords wood	30 00	
Wm. G. Fulker	Labour, painting	7 00	
do	12 months salary as Keeper	380 00	
			499 36
	De Bert Pole.		
Rob. Wier	Salary as Keeper for season		25 00
	Digby Pier Pole.		
Edwin C. Dodge	Labour, iron work		14 25
	Egg Island.		
Macdonald & Co	Draft pipes	18 70	
do	Repairing clock machinery	46 90	
do	Smoke pipe and standard	3 75	
Theakston & Angwin	Rope	8 68	
John White	Stove fixings	6 25	
J. C. Wilson	Fire board	1 25	
Jacob Bowser	Repairing boat slip	65 30	
	Carried forward	150 83	56,038 37

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia.—*Continued.*

			$ cts.	$ cts.
	Brought forward		150 83	56,038 37
	LIGHTHOUSES—*Continued.*			
	Egg Island—Concluded.			
Geo. E. Smith & Co	Iron and spikes		8 60	
J. Hogan & Sons	Lumber and cement		13 71	
Wm. Condon, jr.	Painting		35 00	
do	Board mechanics		18 85	
do	12 months salary as Keeper	$493 76		
Receiver-General	do superannuation tax	6 24		
			500 00	
				726 99
	Economy Pole.			
T. F. McKenzie	Erecting and maintenance		45 25	
Macdonald & Co	Repairing lantern		2 50	
				47 75
	Fish Island.			
Thos. Doyle	Repairing store and boat house		19 08	
Joseph B. White	12 months salary as Keeper	$276 52		
Receiver-General	do superannuation tax	3 48		
			280 00	
				299 08
	Flint Island.			
Archibald & Co	10 tons coal		47 50	
do	Landing, taking down and erecting clock		15 50	
Macdonald & Co	Repairing clock		1 25	
William Helen	Repairing buildings		28 00	
do	12 months salary as Keeper		400 00	
				492 25
	Fort Point.			
S. T. N. Sellon	12 months salary as Keeper		237 00	
Receiver-General	do superannuation tax		3 00	
				240 00
	Freestone Island Pole.			
Lauchlin Morrison	Lining, painting, etc.		51 99	
do	Boat		15 00	
do	12 months salary as Keeper		150 00	
				216 99
	Grand Narrows.			
Stephen McNeil	12 months salary as Keeper		118 52	
Receiver-General	do superannuation tax		1 48	
				120 00
	Green Island.			
Macdonald & Co	Repairing machinery, etc		65 61	
Wm. Duann	12 months salary as Keeper	$493 76		
Receiver-General	do superannuation tax	6 24		
			500 00	
				565 61
	Gull Rock.			
J. Hogan & Sons	Cement		2 00	
J. E. Wilson	Stove		12 00	
L. D. Orchard	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
				414 00
	Carried forward			59,161 04

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, For-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			59,161 04
	LIGHTHOUSES—*Continued.*			
	Guysborough.			
Moses C. Scott	12 months salary as Keeper			220 00
	Georges Island.			
J. Hogan & Sons	Spruce lumber		7 72	
John White	Stove fittings		5 50	
Robert Ross	12 months salary as Keeper		200 00	
				213 22
	Guyon Island.			
Archibald & Co	10 tons coal		47 50	
R. H. Cogswell	Repairing timepiece		1 25	
R. B. Winton	12 months salary as Keeper	$444 40		
Receiver-General	do superannuation tax	5 60		
			450 00	
				498 75
	Grandique Pole.			
Daniel Clough	12 months salary as Keeper			60 00
	Green Cove.			
Alfred Perry	Oil		11 57	
Macdonald & Co	Repairing and altering lamps		8 50	
Walter Sallows	12 months salary as Keeper		60 00	
				80 07
	Glasgow Point Pole.			
Charles Forrest	12 months salary as Keeper			60 00
	Horton Bluff.			
S. M. Rathbun	Freight, truckage, stores		4 58	
do	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
				254 58
	Harbour au Buche.			
W. J. Webb	Water casks, painting		11 25	
do	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
				261 25
	Hubbard's Cove.			
Macdonald & Co	Altering lamps, burners		3 06	
Baldwin & Co	Duplex burners and collar		2 10	
Joseph Coolin jr	12 months salary as Keeper		250 00	
				255 16
	Herring Cove Pole.			
Wallace Graham	Professional services in *re* land		48 18	
Thos. Hayes	Hauling supplies		2 00	
do	12 months salary as Keeper		100 00	
				150 18
	Carried forward			61,194 25

STATEMENT of Expenditure in connection with the Maintenance of Ligethouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			61,194 25
	LIGHTHOUSES—*Continued.*			
	Isle aux Haut.			
Nelson Card	Hauling supplies		25 00	
do	Repairing barn		10 00	
do	Repairing lighthouse		18 10	
do	12 months salary as Keeper	$495 00		
Receiver-General	do superannuation tax	5 00		
			500 00	
				553 10
	Ingonish.			
John McNab	Hauling stores, repairing tank		8 00	
L. McDougall	12 months salary as Keeper	$414 76		
Receiver-General	do superannuation tax	5 24		
			420 00	
				428 00
	Ironbound.			
J. E. M. Taylor	Room paper		3 00	
James Fraser	Repairs		40 02	
John Hogan & Sons	Cement		6 50	
Enos Wolf	Repairing well, ladder, etc		27 22	
do	12 months salary as Keeper	$355 52		
Receiver-General	do do	4 48		
			360 00	
				436 74
	Ingonish Harbour.			
I. C. Railway	Freight, lantern, etc		18 53	
Theakston & Angwin	Brooms, lantern		1 85	
J. D. Fader	Freight supplies		2 15	
Thos. Donovan sr.	Salary as Keeper		38 50	
				61 03
	Isaacs Harbour.			
Macdonald & Co	Repairing lamps, fountains, etc		27 60	
C. W. Bigsby	Painting, labor on supplies		15 00	
do	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
				242 60
	Jerseyman's Island.			
Geo. Vigneau	Chimney, painting		49 18	
do	12 months salary as Keeper		300 00	
				349 18
	Jeddore Rock.			
Theakston & Angwin	Rope, nails, spikes		23 58	
J. W. Mitchell	Building boat house, etc		71 08	
do	12 months salary as Keeper		400 00	
				494 66
	Jérome Point.			
J. D. Matheson	Fitting storm windows		5 85	
do	12 months salary as Keeper		250 00	
				255 85
	Carried forward			63,035 31

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			63,035 31
	LIGHTHOUSES—*Continued.*			
	Kingsport.			
J. E. M. Taylor	Glass		2 50	
W. F. Phipps	Repairs, freight, supplies		7 35	
do	12 months salary as Keeper		80 00	
				89 85
	Kidston's Island.			
J. E. M. Taylor	Glass and cutting		8 75	
D. McRae	Painting buildings		10 00	
do	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
				218 75
	King's Head.			
Colin McDonald	Drain, sluice, etc		6 00	
do	12 months salary as Keeper		200 00	
				206 00
	Little Hope.			
Henry Watt	Repairing breakwater		143 00	
James Millard	do		496 00	
Theakston & Angwin	Brace, bits, hinges		5 70	
J. R. Gordon	Refitting medicine chest		10 60	
W. A. McDonald	Repairing boat and landing		20 00	
Alex. McDonald	Board carpenters		3 50	
do	Outside doors, windows, etc		30 00	
do	12 months salary as Keeper	$493 76		
Receiver-General	do superannuation tax	6 24		
			500 00	
				1,208 80
	Lingan Head.			
Power & Co	Copper, coal, spindle, bars		7 75	
James Quinn	Painting, hauling oil		22 00	
do	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
				229 75
	Liscombe.			
Seth. Crooks	Boat		20 00	
do	12 months salary as Keeper	$345 64		
Receiver-General	do superannuation tax	4 36		
			350 00	
				370 00
	Liverpool.			
C. M. Firth	Freight, hauling oil		5 30	
do	12 months salary as Keeper	$345 64		
Receiver-General	do superannuation tax	4 36		
			350 00	
A. J. Grant & Co.	Metallic paint, brushes		4 15	
				359 45
	Louisburg.			
L. Kavanagh	12 months salary as Keeper			460 00
	Carried forward			67,178 01

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			67,178 01
	LIGHTHOUSES - *Continued.*			
	Low Point.			
Archibald & Co	Freight, storage, supplies		2 80	
John G. Peters	Truckage supplies		2 00	
do	Repairs		36 55	
do	12 months salary as Keeper	$454 28		
Receiver-General	do superannuation tax	5 72		
			460 00	
				501 35
	Lunenburg.			
John A. Ernst	12 months salary as Keeper		296 28	
Receiver-General	do superannuation tax		3 72	
				300 00
	La Have.			
W. Howard Palmer	12 months salary as Keeper		197 52	
Receiver-General	do superannuation tax		2 48	
				200 00
	Little Narrows.			
John Ferguson	Painting, freight, etc		19 10	
do	12 months salary as Keeper	$118 52		
Receiver-General	do superannuation tax	1 48		
			120 00	
				139 10
	Little Dyke Pole.			
Thomas J. Brown	12 months salary as Keeper			20 00
	Main-à-Dieu.			
John Hogan & Sons	Lumber and shingles		29 99	
James Burke	Painting buildings		25 00	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
				354 99
	Margaretsville.			
William Early	6 months salary as Keeper	$113 56		
Receiver-General	do superannuation tax	1 44		
			115 00	
John Early	Painting, making road		14 80	
do	6 months salary as Keeper		115 00	
				244 80
	Margaret's Bay.			
Albert Pearl	Repairs, hauling oil		8 00	
do	12 months salary as Keeper	$493 76		
Receiver-General	do superannuation tax	6 24		
			500 00	
				508 00
	Margaree.			
Macdonald & Co	Brass hinges		2 50	
J. C. McFarlane	Building boat house, repairing boat		89 91	
do	12 months salary as Keeper		400 00	
				492 41
	Carried forward			69,938 66

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			69,938 66
	LIGHTHOUSES—*Continued.*			
	Mahone Bay.			
Abram Zinck	Labour on oil, repairing lamps, etc.		10 00	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
				310 00
	McKenzie's Point.			
Starr Manufacturing Co.	Repairing reflectors		5 50	
D. J. McKay	Trucking supplies, etc.		3 00	
do	12 months salary as Keeper	$158 00		
Receiver-General	do superannuation tax	2 00		
			160 00	
				168 50
	McNeils Beach Pole.			
Lauchlin McNeil	12 months salary as Keeper			60 00
	Meagher's Beach.			
Henry Watt	Repairing breakwater		43 50	
John Hogan & Sons	Lumber and timber		17 99	
Theakston & Angwin	Spikes		3 50	
Brookfield Bros.	Spruce timber		6 45	
R. H. Cogswell	Clock		7 50	
Macdonald & Co	Repairing springs fog bell		2 25	
John Smith	20 cords wood at $5		100 00	
Geo. E. Smith & Co.	Spikes		6 00	
Edw. Horne	Repairing breakwater		158 84	
do	Freight, oil and empty packages		3 50	
do	12 months salary as Keeper	$495 00		
Receiver-General	do superannuation tax	5 00		
			500 00	
				849 53
	Moser's Island.			
Saml. Moser	Repairing road		10 00	
do	12 months salary as Keeper		350 00	
				360 00
	Mullin's Point.			
Zebud Mullins	Trucking supplies, repairing clock		3 00	
do	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
	Meteghan.			253 00
L. C. Comeau	12 months salary as Keeper			100 00
	Margaree Harbour.			
Alex. McFarlane	12 months salary as Keeper			60 00
	Mabou Range.			
Allen McLean	Rope, repairing lantern		2 89	
do	Freight and truckage supplies		2 95	
do	12 months salary as Keeper		50 00	
John McDonald	do do		70 00	
				125 84
	Carried forward			72,225 53

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			72,225 53
	LIGHTHOUSES—*Continued.*			
	Marjorie's Isle Pole.			
Norman McDonald	12 months salary as Keeper			80 00
	Negro Island.			
Intercolonial Railway	Freight, lantern		37 26	
E. Chanteloup	Lantern, lamps, etc		682 76	
L. C. Barney	Plate glass		81 85	
Geo. Dechamp	Contract for new lighthouse		975 00	
do	Extras		46 72	
J. E. Wilson	Stovepipe		7 50	
James McKinnon	Iron work		1 00	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
James McKinnon	Painting		10 00	
				2,142 09
	North Canso.			
Robie McKay	Freight supplies		5 00	
do	Trucking, repairing road and landing		24 85	
do	12 months salary as Keeper	$345 00		
Receiver-General	do superannuation tax	5 00		
			350 00	
				379 85
	Ouetique Island.			
Cyril Sampson	12 months salary as Keeper		345 64	
Receiver-General	do superannuation tax		4 36	
				350 00
	Pease's Island.			
Hart Murray	Shingles and lumber		114 25	
Theakston & Angwin	Tarred paper, nails		12 64	
Thomas Baker	12 months salary as Keeper	$345 64		
Receiver-General	do superannuation tax	4 36		
			350 00	
				476 89
	Parrsboro.			
H. W. Davison	Wall paper		5 81	
J. H. Newcomb	Hauling supplies		2 50	
do	Repairing breakwater		15 62	
do	12 months salary as Keeper	$335 76		
Receiver-General	do superannuation tax	4 24		
			340 00	
				363 93
	Peggy's Point.			
Henry Watt	Travelling expenses		20 50	
J. E. M. Taylor	Cutting glass		1 25	
George Swinehammer	12 months salary as Keeper		350 00	
				371 75
	Pictou.			
McQueen & Sproule	Amount contract building breakwater		1,820 00	
Geo. E. Smith & Co.	Tacks, paint, brushes		1 08	
Wm. Ross	Labour, flag staff and hinges		9 15	
	Carried forward		1,830 23	76,390 04

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts
	Brought forward		1,830 23	76,390 04
	LIGHTHOUSES—*Continued.*			
	Pictou—Concluded.			
Wm. Ross	Inspecting breakwater		25 00	
do	12 months salary as Keeper		400 00	
				2,255 23
	Pictou Island.			
J. E M. Taylor	Glass		13 20	
James W. Hogg	Addition to dwelling		106 55	
do	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
				519 75
	Pictou Custom House.			
Pictou Gas Works	Gas, 1 year		150 00	
Geo. McLeod	12 months salary as Keeper		75 00	
				225 00
	Pomquet Island.			
C. A. Chisholm	12 months salary as Keeper		345 64	
Receiver-General	do superannuation tax		4 36	
				350 00
	Point Tupper.			
James McDonald	Painting buildings		25 00	
do	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
				275 00
	Port Hood.			
J. Allan McDonald	12 months salary as Keeper		276 52	
Receiver-General	do superannuation tax		3 48	
				280 00
	Port L'Ebert.			
Joseph H. McDonald	12 months salary as Keeper		148 12	
Receiver-General	do superannuation tax		1 88	
				150 00
	Port Medway.			
Macdonald & Co	Repairing lamps and burners		2 50	
Elson Perry	12 months salary as Keeper	$256 76		
Receiver-General	do superannuation tax	3 24		
			260 00	
				262 50
	Port Mouton.			
Robt. J. Smith	Painting buildings, repairing landing and wharf		62 24	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
				362 2
	Port Williams.			
James M. Dunn	12 months salary as Keeper		256 76	
Receiver-General	do superannuation tax		3 24	
				260 0
	Carried forward			81,329 7

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc, in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward			81,329 76
	LIGHTHOUSES—*Continued.*			
	Pubnico.			
aturin Amero	Repairs		17 19	
do	Cement, door, etc		6 90	
do	12 months salary as Keeper	$237 00		
eceiver-General	do superannuation tax	3 00		
			240 00	
				264 09
	Pugwash.			
ngus Beaton	Freight, repairs, repairing fence, pointing foundation		10 43	
do	12 months salary as Keeper	$296 28		
eceiver-General	do superannuation tax	3 72		
			300 00	
				310 43
	Point Aconi.			
eo. Bonner	Building road, painting		42 00	
do	12 months salary as Keeper	$148 12		
eceiver-General	do superannuation tax	1 88		
			150 00	
				192 00
	Petit de Grat.			
. P. Bouchie	12 months salary as Keeper			200 00
	Pope's Harbour.			
Iacdonald & Co	Repairing lamps and burners		29 55	
heakston & Angwin	Canvas, tacks, paint		15 08	
acob Bowser	Repairs		75 43	
ames Bollong	Repairs, painting		29 00	
do	12 months salary as Keeper	$296 28		
eceiver-General	do superannuation tax	3 72		
			300 00	
				449 06
	Piper's Cove.			
dw. A. McNeil	12 months salary as Keeper			100 00
	Port au Pique Pole.			
Iacdonald & Co	Refitting lantern		2 50	
ehial Carr	12 months salary as Keeper		25 00	
				27 50
	Quaker's Island.			
Vm. Whalen	Repairs		2 88	
do	12 months salary as Keeper		300 00	
				302 88
	Sambro.			
ohn Smith	69 cords wood at $6		414 00	
ohn Fagan	Freight, oil and stores		48 55	
lex. Gilkie	Boat		25 00	
lfred Gilkie	Oars		8 00	
lex. Gilkie	12 months salary as Keeper	$995 00		
eceiver-General	do superannuation tax	5 00		
			1,000 00	
				1,495 55
	Carried forward			84,671 27

STATEMENT of Expenditure in connection with the Maintenance of Lig-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts	$
	Brought forward			84,671
	LIGHTHOUSES—*Continued.*			
	Sand Point.			
Joseph Mundell	12 months salary as Keeper		395 00	
Receiver-General	do superannuation tax		5 00	
				400
	Scatterie.			
John Pope	Freight, building material		50 00	
J. Dempster & Co.	Rollers for boat house		19 50	
Jacob Bowser	Repairing dwelling, light and boat house		558 17	
J. Holloway & Son	Blocks and strapping		6 80	
Geo E. Smith & Co.	Manilla rope		8 40	
James W. Brown	Labour, landing lumber		5 80	
do	Painting buildings		25 00	
do	12 months salary as Keeper	$793 76		
Receiver-General	do superannuation tax	6 24		
			800 00	
				1,473
	Seal Island.			
Halifax Banking Co.	Materials for boat landing		25 70	
J. Belfontain	Bricks		40 00	
Jacob Bowser	Account, repairs		75 00	
J. Hogan & Sons	Timber, lumber, shingles, etc		607 35	
Geo. E Smith & Co.	Nails, spikes, etc		72 19	
Corning Crowell	12 months salary as Keeper	$793 76		
Receiver-General	do superannuation tax	6 24		
			800 00	
				1,620
	Stoddart's Harbour.			
Jacob Bowser	Repairing buildings		279 42	
Theakston & Angwin	Sheet lead		14 82	
Macdonald & Co.	Repairing cowl, screws		15 06	
J. Hogan & Sons	Lumber, shingles, etc		84 85	
A. M. Wrayton	12 months salary as Keeper	$148 12		
Receiver-General	do superannuation tax	1 88		
			150 00	
				544
	Shelburne.			
John Williams	Dorey		14 80	
Francis Demings	Teaming supplies		8 00	
do	12 months salary as Keeper	$795 00		
Receiver-General	do superannuation tax	5 00		
			800 00	
				822
	Shelburne Harbour.			
Geo. E. Smith & Co.	Rope		1 98	
Edward Goodick	Placing brush and stone at pier		12 00	
do	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
				263
	Spencer's Point.			
R. A. Spencer	Freight, supplies		4 00	
do	12 months salary as Keeper		125 00	
				129
	Carried forward			89,925

'ATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc, in Nova Scotia—*Continued*

			$ cts.	$ cts.
	Brought forward			89,925 11
	LIGHTHOUSES—*Continued.*			
	Shafner's Point.			
o. E. Smith & Co.	Zinck, nails		1 08	
K. Healy	12 months salary as Keeper		150 00	
				151 08
	St. Ann's.			
cdonald & Co.	Altering and repairing burners		3 50	
B. Morrison	Boat, painting buildings		29 50	
do	Blinds, canvas		2 92	
do	12 months salary as Keeper	$138 24		
ceiver-General	do superannuation tax	1 76		
			140 00	
				175 92
	Sheet Harbour.			
gus McMaster	Labor repairing		16 40	
vid Drake	do		29 90	
n. Routledge	do		38 60	
an McPhail	do		33 85	
ron Rood	do		35 10	
F. Smith	Freight, materials for repairs		15 93	
o. E. Smith & Co	Nails, spikes, canvas		51 91	
cdonald & Co.	Screws		1 10	
an White	Zinc shingles, caps		16 20	
an Perry	Board, carpenters		73 00	
do	12 months salary as Keeper	$495 00		
ceiver-General	do superannuation tax	5 00		
			500 00	
				811 99
	Sydney Bar.			
cdonald & Co.	Repairing reflectors		1 50	
chibald & Co.	Freight, supplies		1 00	
o. Nunn	Repairs		29 48	
do	12 months salary as Keeper	$246 88		
ceiver-General	do superannuation tax	3 12		
			250 00	
				281 98
	Sissiboo.			
Amero	12 months salary as Keeper		197 52	
ceiver-General	do superannuation tax		2 48	
				200 00
	Sable Island.			
cdonald & Co.	Repairing burners		1 80	
do	Ventilators, repairing lamps		20 20	
				22 00
	St. Paul's.			
ull Miller	Bed tick hollands		24 48	
E. Wilson	Stoves, lantern globe		43 05	
				67 53
	Carried forward			91,635 61

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ ct
	Brought forward			91,635 6
	LIGHTHOUSES—*Continued.*			
	St. Esprit.			
Archibald & Co	10 tons coal		47 50	
Angus McLeod	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
				447 5
	Seal Island Pole.			
Docite Sampson	Boat		11 00	
Simon Joyce	12 months salary as Keeper		80 00	
				91 0
	South East Beaver Isle Pole.			
James D. Corbett	12 months salary as Keeper			80 0
	Tor Bay.			
Dennis Gerroir	Painting		20 00	
do	Labour on road		50 00	
do	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
				320 0
	Three Top Island.			
Theakston & Angwin	Rope, paint		11 94	
W. L. Munroe	Painting		20 00	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
				331 9
	Terrence Bay Pole.			
G. E. Smith	Iron for lantern rods		2 05	
Macdonald & Co	Repairing lamps, lantern		7 10	
Wm. Yeadon	Placing lantern rods		3 00	
Peter Jollimore	12 months salary as Keeper		100 00	
				112 1
	Walton Harbour.			
Geo. Godfrey	Hauling supplies		1 25	
A. McN. Parker	Painting		6 00	
do	12 months salary as Keeper		125 00	
				132 2
	Westport.			
R. D. Suthern	Lanterns for ventilators		71 78	
do	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
				371 7
	Whitehead.			
J. Hogan & Sons	Lime, lumber, shingles		22 02	
G. D. Tanner	Freight supplies		3 00	
James Dempster & Co	Window sashes		3 75	
	Carried forward		28 77	93,522 2

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

			$ cts.	$ cts.
	Brought forward		28 77	93,522 23
	LIGHTHOUSES—*Concluded.*			
	Whitehead—Concluded.			
Geo. E. Smith	Paint, hinges, screws		3 75	
Macdonald & Co	Burners, repairing lamps		28 50	
do	Repairing founts and burners		3 90	
do	do clock, machinery		8 50	
John White	Stovepipe		14 00	
James P. Dillon	Repairs		57 20	
do	12 months salary as Keeper	$503 64		
Receiver-General	do superannuation tax	6 36		
			510 00	
				654 62
	Wedge Island.			
Percey Burns	12 months salary as Keeper			400 00
	Westhaver's Isle.			
J. E. Wilson	Stovepipe		9 86	
Baldwin & Co	Duplex burners		4 00	
J. Peter Strum	Repairs, painting		31 10	
do	Building boat house		55 00	
do	Repairing clock		1 85	
do	12 months salary as Keeper		300 00	
				401 81
	Whycocomagh Pole.			
Murdoch Matheson	12 months salary as Keeper			60 00
	Yarmouth			
Geo. E. Smith & Co.	Putty and zinc		3 73	
Edw. Sweeney	Hauling supplies		2 00	
Middleton Turner	Screw for lantern		3 50	
Wallace Graham	Professional services in *re* land		59 50	
T. C. Redding	Repairs		6 70	
W. H. Kenney	Repairs, building fence		203 65	
J. H. Doane	12 months salary as Keeper	$784 00		
Receiver-General	do superannuation tax	16 00		
			800 00	
				1,079 08
	Yarmouth Harbour.			
Joshua Doane	Barrels, blocks, rope, oars		16 05	
do	12 months salary as Keeper	$375 64		
Receiver-General	do superannuation tax	4 36		
			380 00	
				396 05
				96,513 79
	BUOYS AND BEACONS.			
	Advocate Harbour.			
Geo. S. Livingstone	5 spar buoys		45 00	
do	Laying and raising buoys and moorings		25 00	
				70 00
	Carried forward			70 00

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward		70 00
	BUOYS AND BEACONS—*Continued.*		
	Avon River.		
E. Davison	Lifting buoys and moorings, 1886; laying buoys and moorings, spring 1887	100 00	
do	Chain and iron work	8 20	
do	Scraping, cleaning, painting	3 75	
do	Paint brush, 25c; pilot, placing, $3	3 25	
			115 20
	Arichat.		
Simon Bouchie	Amount contract, 1 year		233 33
	Bras d'Or.		
Hon. W. Ross	Lifting Lime Rock, Little Island and Carey's Shoal buoys	56 00	
Arch. Smith	Laying and lifting buoys and moorings Smith's Shoal	10 00	
B. H. Morrison	Placing and maintenance of spar buoy near Morrison's Harbour	12 00	
			78 00
	Bear River.		
H. J. Hennigar	Amount contract, 1886		55 00
	Barrington.		
Dr. H. D. Wilson	Medical attendance on Isaac Nickerson, injured while laying buoys	30 00	
Andrew Malone	Labour lifting and laying buoys and moorings	65 50	
do	Paint and oil, boat hire, buoy	14 37	
do	Buoy weights	10 00	
do	Iron, $21.18; spar buoys, $12	33 18	
do	Hire schooner	14 00	
P. Walsh	Hire vessel and winch lifting buoys and moorings	26 50	
do	Hire vessel laying buoys and moorings	25 00	
do	Iron work, $17; salvage, $1	18 00	
do	Paint, painting, oil	9 00	
do	Labour lifting and laying buoys and moorings	65 00	
do	Chain	1 26	
	Barrington Passage.		
Thos. L. Banks	Labour lifting buoys and moorings	89 50	
do	Labour painting, cleaning and laying	105 50	
do	Hire schooner, $44; 4 buoys, $16	60 00	
do	Salvage on buoys, $22; iron work, $41.30	63 30	
	Shag Harbour.		
Thos. L. Banks	Labour laying buoys and moorings	24 50	
do	Hire schooner, $8; iron work, $35.25	43 25	
do	5 buoys, $20; 5 stones, $6.25	26 25	
A. R. Greenwood	Painting, changing and attending 12 buoys	54 00	
do	Replacing buoy, stone and chain	4 75	
D. L. Ross	Freight can buoy	4 00	
			786 86
	Carried forward		1,338 39

STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward		1,338 39
	BUOYS AND BEACONS—*Continued.*		
	Canso.		
Geo. F. Oliver	Amount contract, 1 year	145 00	
J. J. Donahoe	Building beacon on Burying Island	20 37	
			165 37
	Cheticamp.		
Chas. Doucett	Laying and taking up buoys and moorings, 1886		45 00
	Descousse.		
Joseph Langlois	Amount contract		18 00
	Digby.		
Theakston & Angwin	1,949 lbs. chain, at 3½c	68 22	
J. A. Hughes	Labour and hire vessel lifting buoys and moorings.	88 87	
do	do do laying buoys and moorings, scraping and painting	89 66	
E. C. Dodge	Placing spar and cask buoy on sunken pier	20 00	
H. B. Short	Freight, buoy and chain	11 08	
			277 83
	Guysborough.		
Moses C. Scott	Drills, iron, chain	7 00	
do	Placing and taking up buoys and moorings	40 00	
			47 00
	Halifax.		
D. Waddell	Lifting and laying Point Pleasant buoys and moorings	30 00	
Lawson, Harrington & Co	Hire steam tug, searching for and laying Sisters Bell buoy, towing to wharf, etc	36 75	
do	Towing bell buoy and relaying at Sisters	49 00	
do	Services tug boat towing and placing bell buoy and moorings at Sisters	96 00	
Charles Martin	Salvage on bell buoy	25 00	
			236 75
	Hay Cove, C. B.		
Peter McNeil	Amount contract, 1 year		43 00
	Ingonish (South Bay).		
Frank C. Brine	Taking up and securing buoys	10 00	
do	Hire of vessel, labour laying buoys and moorings, painting, paint, etc	21 78	
			31 78
	Jauvrin's Harbour.		
Chas. Delorey	Taking up and laying buoys and moorings, 1 year.		30 00
	Carried forward		2,233 12

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward		2,233 12
	BUOYS AND BEACONS—*Continued.*		
	Joggin's Bridge.		
J. A. Hughes	Lifting buoys and moorings	2 00	
J. A. Cossett	2 spar buoys and making	4 00	
do	Iron work, $2.13; laying buoys, $5 50	7 63	
			13 63
	Ketch Harbour.		
E. MacKie	Placing and taking up 5 buoys and moorings	30 00	
do	Lifting and painting Morris Point buoy	5 00	
do	Taking old buoy and placing new one	5 00	
			40 00
	Liverpool.		
W. A. Kenney	Freight mooring stone	1 40	
do	Placing buoy, $5; iron work, $1	6 00	
do	Picking up buoy	1 25	
			8 65
	Lockeport.		
G. Cook	Repairing and mooring buoy	10 00	
J. McGuinn	Moving, remooring 2 buoys and moorings	25 00	
			35 00
	Louisburg.		
P. O'Toole	1 new mooring stone	3 50	
do	Iron work, $3; labour and boat hire, $4.50	7 50	
do	Lifting and storing buoys and moorings	30 00	
do	Painting, iron work, boat hire and labour laying buoys and moorings	47 86	
			88 86
	La Have.		
Geo. H. Zwicker	Recovering mooring stone and replacing buoy and moorings on French Rock	13 35	
do	Spar buoy, stone, iron work and laying buoys and moorings on Bull Shoal and Oxner's Rock	25 70	
			39 05
	Little Narrows.		
Norman Matheson	Changing buoy	2 00	
do	Labour lifting buoys and moorings	6 50	
do	Storage, $5; paint, painting, truckage, $6.30	11 30	
do	Iron work, $1.26; new buoy, $9	10 26	
do	Labour laying buoys and moorings	4 50	
			34 56
	Lunenburg.		
Henry Lohnes	Placing and raising buoys and moorings, South Habour	30 00	
do	Placing and raising buoys and moorings, Lohnes' Rock and Himmelman's reef	10 00	
Henry Conrod	Placing and raising buoys, Back South Harbour	30 00	
Reuben Heisler	Taking up can and laying spar buoys and taking up spar and laying can buoys and moorings	150 00	
	Carried forward	220 00	2,792 8

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward	220 00	2,792 87
	BUOYS AND BEACONS—*Continued.*		
	Lunenburg—Concluded.		
Reuben Heisler	Painting, $2.50; iron work, $2.70	5 20	
do	Drilling stones, $2 50; salvage, $2.60	5 10	
do	Dockage, wharfage, storage	8 00	
Martin Westhaver	Laying and taking up buoys and moorings, Martin's Brook	60 00	
do	1 new buoy	15 00	
			313 30
	Lennox Passage.		
Martin Sampson	Amount contract		127 00
	L'Ardoise.		
Geo. Burke	Taking up buoy and moorings	8 00	
do	Making spar buoy, iron work, stone, etc	9 00	
do	Placing buoys and moorings	15 00	
			32 00
	Merigomish.		
Wm. Henderson	Amount contract, 1 year.		50 00
	Mabou.		
Finlay Rankin	Repairing, placing and attending buoys and moorings		63 00
	Mongolier Bay.		
Lewis Dilorey	Lifting and placing buoys and moorings, 1 year, by agreement	90 00	
do	5 new beacons	5 00	
			95 00
	Mahone Bay.		
James Mosher	Amount contract, 1 year		230 00
	Main à Dieu.		
John Farrell	Taking up buoys and moorings	18 00	
do	Boat hire $6; rope, $3	8 00	
do	Iron work, cleaning, painting, labour placing buoys and moorings	29 56	
			55 56
	Northport.		
J. M. Burns	Spar buoy	2 50	
do	Labour, boat hire, replacing 3 buoys	5 50	
do	3 spar buoys, $3; painting, $2.	5 00	
do	1 cask buoy and painting 3 cask buoys	3 00	
do	Chain and iron work $16.50; stones and drilling, $3.	19 50	
do	Labour and boat hire	8 00	
Robt. McClosky	Taking up harbour channel buoys and moorings	8 00	
			51 50
	Carried forward		3,510 23

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward		3,510 23
	BUOYS AND BEACONS—*Continued.*		
	North Sydney.		
Geo. H. Dobson	Hire tug lifting and laying buoys and moorings	85 00	
do	Iron work, $19 30; paint, oil, etc., $4.50	23 80	
do	Scraping, painting, labour	9 00	
do	Services harbour master	5 00	
do	Looking at the buoys	10 00	
			132 80
	Pictou.		
J. R. Noonan	Freight, buoy and stones	3 75	
do	Paint and painting	11 58	
do	Iron work, chain	32 25	
do	Recovering and replacing buoy	11 25	
do	Steam tug lifting and laying buoys	115 00	
do	Services superintending	15 00	
do	Telegram, 26c.; lettering, scraping, $12.88	13 14	
			201 97
	Pope's Harbour.		
J. A. Bollong	Laying 2 spar buoys and moorings		12 00
	Pubnico.		
D. G. Amero	Labour repairing, painting, replacing buoys and moorings	28 50	
do	Iron work, $6.80; paint and oil, $12.06	18 86	
do	Placing piles	225 00	
do	Spar buoys, $4; hire schooner, $17.50	21 50	
do	Labour laying buoys and moorings	38 00	
			331 86
	Port Hood.		
Wm. J. Murphy	Amount contract, 1 year		208 33
	Port Medway.		
W. K. Angwin	Chain and shackles	65 63	
do	Hire vessel, $45; labour shifting, $18	63 00	
do	Stone, $8; chain and anchors, $17	25 00	
do	Salvage on S. W. breaker buoy	8 00	
do	Labour landing on S. W. breaker buoy, $2; paint and oil, $2.50	4 50	
			166 13
	Parrsboro'.		
W. L. Smith	Amount contract, 1 year		42 00
	Pugwash.		
Peter McDonald	Amount contract, 1 year	43 00	
Henry Reid	Placing and lifting bridge buoys	13 00	
			56 00
	Petit de Grat.		
D. Marchand	Amount contract, 1 year		150 00
	Carried forward		4,811 32

STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward		4,811 32
	BUOYS AND BEACONS—*Continued.*		
	Port La Tour.		
Wm. Nickerson	Taking up and storing buoys and moorings		14 60
	River Dennis.		
Hugh Campbell	Taking up and laying buoys and moorings	18 00	
do	Truckage, storage, paint, oil, painting	11 00	
			29 00
	Sheet Harbour.		
M. Macfarlane	Making and placing buoys and moorings, iron work, labour, boat hire		34 00
	Shelburne.		
W. A. Perry	Salvage, Jig Rock Buoy	5 00	
A. C. McLean	Lifting buoys and moorings	20 00	
J. A. McGowan, jun.	Placing buoys and moorings	33 75	
			58 75
	Ship Harbour.		
James Marks, jun.	Laying and taking up buoys and moorings		40 00
	St. Mary's.		
James G. Pride	Labour lifting, storing and laying buoys and moorings	41 00	
do	Buoy, iron work, mooring stone	6 50	
do	Cleaning and painting	2 50	
			50 00
	St. Peter's Inlet.		
Joseph Hunson	Amount contract, 1 year		100 00
	Strait of Canso.		
Henry Smith	Placing, painting and taking up Ship Rock buoys and moorings		10 00
	St. Peter's Bay.		
Simon Landry	Amount contract, 1 year		160 00
	Sambro.		
Joseph Martin	2 spar buoys for Cooleys and Martins Shoals	10 00	
do	Painting, placing and hire vessel	20 00	
			30 00
	Tatamagouche.		
W. Irvine	Lifting and storing buoys, moorings and posts	16 00	
do	Cask buoy and fittings	7 75	
			23 75
	Carried forward		5,361 42

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc, in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward		5,361 42
	BUOYS AND BEACONS—*Concluded.*		
	Tidnish.		
J. W. Jackson	Amount contract, 1 year		20 00
	Tusket.		
P. S. Hatfield	Amount contract, 1 year		60 00
	Whitehead.		
Henry Lindon	Amount contract, 1 year		350 00
	Westport.		
R. D. Suthern	Labour lifting, cleaning and replacing 3 can buoys.	48 00	
do	Shifting Dartmouth buoy and moorings	10 00	
do	Boat hire, $4.50; recovering buoy, $10	14 50	
do	Painting Cow Ledge beacon	8 00	
do	Paints, oil, iron work	8 35	
			88 85
	Wallace.		
Zebud Mullins	Labour lifting buoys, etc	16 00	
do	Boat hire, $3.75; hire schooner, $1.50	5 25	
do	Moving buoy, $3; storage, $3	6 00	
do	Superintending and looking after	10 00	
do	Truckage, $3; scraping and painting, $4.50	7 50	
do	Laying buoys and moorings, $21; rope, $2.50	23 50	
do	Iron work, $4.01; mooring stones, $3	7 01	
C. V. Kerr	Staking channel and lifting buoys at Bridge	9 00	
			84 26
	Yarmouth.		
J. M. Davis	Wharfage and storage bell buoy	7 00	
Eben Scott	Repairing iron can buoy	8 25	
do	Salvage on buoy and stowing	15 00	
do	Chain, $20.60; salvage buoy, $10	30 6	
do	Cleaning, $3.75; paint, painting, $12.33	16 08	
do	Scow hire and labour laying moorings	28 75	
do	Tarring piles, $2.40; iron work, $8.27	10 67	
do	Pile driver and logs	27 60	
do	Expenses laying Roaring Bull buoy and moorings.	45 17	
			189 12
	MISCELLANEOUS.		
John Patterson	12 iron can buoys	1,650 00	
Maurice Downey	Painting buoys	46 50	
Allan McLean	Saving, storing and painting iron can buoy	11 00	
John McDougall	Bell buoy, for contract	950 00	
D. Waddell	Transporting bell buoy	20 00	
J. Hogan & Sons	Lumber	25 45	
J. Findlay	Cages, chocks, repairing buoys	63 00	
Theakston & Angwin	Wire rope	52 41	
Macdonald & Co	Repairing automatic buoy and whistle, plugs	9 35	
Handley Payson	Dockage Lurcher buoy	5 00	
Symonds & Co	Repairing Trinity and Brazil Rock bell buoy	66 57	
Wm. Condon	Expenses recovering Brazil Rock buoy	43 50	
	Carried forward	2,942 78	6,153 65

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		$ cts.	$ cts.
	Brought forward	2,912 78	6,153 65
	MISCELLANEOUS—*Concluded.*		
Silas Townshend	Anchor stock	28 65	
Henry Webb	Repairing cover straps	27 00	
Geo. E. Smith & Co.	Samson line	7 77	
W. Stairs, Son & Morrow	Chain	12 00	
J. E. Butler	Spar buoys, balls	183 20	
Henry Carr	Repairing automatic buoys	27 00	
Brown Bros. & Co	Salvage automatic buoy	45 00	
Dominion Paint Co	Methylated spirits	8 50	
			3,281 90
			9,435 55
	HUMANE ESTABLISHMENTS.		
	Mud Island.		
Merchants Bank	Government allowance, to 30th June, 1886		80 00
	Seal Island.		
J. Silver & Co	Government allowance, to 30th June, 1886	120 00	
Macdonald & Co	Air chambers for life boat	75 50	
			195 50
	St. Paul's Island.		
J. E. Butler	Oars	9 00	
John Macnab	Boats, conveyance and board of mechanics	70 50	
do	Lamp, chimneys, stovepipe	15 64	
J. Hogan & Sons	Lumber and shingles	72 57	
J. McLearn & Son	Hay, oats, barley	89 37	
Geo E. Smith & Co.	Nails, rivets, copper	3 03	
J. D. Fader	Freight, supplies	47 25	
Archibald & Co	Lamps, stovepipe, kettles	16 14	
J. R. Gordon	Medicines	17 80	
Bank of British North America	Conveyance despatches	20 00	
C. E. Creighton & Co	5 M. shingles, $3; and truckage, 25c	15 25	
D. F. Power	Provisions	33 00	
Theakston & Angwin	Iron, steel, axes, shovels, nails, paints	69 47	
T. Holloway & Sons	Blocks	4 50	
Doull Miller	Blankets	39 85	
J. E. Wilson	Stove linings, grates	35 05	
S. C. Campbell	12 months salaries to boatmen	1,250 00	
do	do salary as Keeper $588 00		
Receiver-General	do superannuation tax 12 00		
		600 00	
			2,408 42
	Sable Island.		
N. & M. Smith	Barrels and halves	66 50	
A. Gunn & Co	Oats	22 50	
T. Robinson	Stud-horse	160 00	
Theakston & Angwin	Cotton, duck, coffee mill, lamp	14 45	
E. J. Lordly	Lantern	909 30	
R. Martin & Co	Saddle, blanket	38 25	
R. A. Nesbit	Medicines, extract of beef, etc	60 70	
Geo. E. Smith & Co.	Nails, glass, duck, powder, tarred paper, spikes, etc.	189 41	
James McKay	Shropshire ram	15 00	
J. Hogan & Sons	Floring, shingles spruce and pine lumber	210 89	
J. McLean & Son	Oats and hay	93 22	
	Carried forward	1,780 22	2,683 92

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued*

		$ cts.	$ cts.
	Brought forward	1,780 22	2,683 92
	HUMANE ESTABLISHMNTS—*Concluded.*		
	Sable Island—Concluded.		
R. H Cogswell	Clock	7 50	
J. E. Wilson	Stove and pipe	21 78	
John White	Stove castings, pipe	14 20	
Hudson's Bay Co	Provisions	51 00	
John Taylor, sen.	Hay waggon	125 00	
Isaac Crowell	Gratuity for injuries	100 00	
Thos. Bell	Cart	55 00	
Saunders & McLearn	Potatoes, seeds	27 51	
Elisa Crowell	Cooking for laborers	5 00	
D. F. Power	Provisions	211 41	
Doull Miller	Toweling	1 70	
C. E. Creighton & Co	35,000 shingles, $3.40; and truckage, $1.75	120 75	
Island Staff	Salaries 1 year	3,347 73	
			5,868 80
			8,552 72
	SIGNAL STATIONS.		
Major F. Fereday	Conveyance signal parties, stores, etc		698 09
do	Expenses, June quarter, 1886	482 51	
do	do Sept. do 1886	522 14	
do	do Dec. do 1886	600 95	
do	do March do 1887	532 70	
			2,138 30
	Powder, friction tubes, etc		17 50
Capt. H. E. Rawson	Salary as Superintendant, 1 year		150 00
			3,003 89

RECAPITULATION.

Lighthouses		85,512 56
Fog-Whistles		11,001 23
Humane Establishments		8,552 72
Buoys and Beacons		9,435 55
Signal Stations		3,003 89
		117,505 95
Queen's Printer, printing, etc		302 58
		117,808 53

F. GOURDEAU,
Accountant.

WM. SMITH,
Deputy Minister of Marine.

APPENDIX No. 7

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, for the Fiscal Year ended 30th June, 1887.

	General Account.		$ cts.	$ cts.
J. E. Vincent	Side and top wharfage steamer "Newfield"		21 94	
Geo. Douglas	Freight		38 82	
Jos. H. Mann	Expenses to Shippegan with inspector		8 00	
Jas. Mitchell	Travelling expenses		151 49	
Western Union Telegraph Co	Telegraph bill, 13 months		251 74	
Henry King	Boating, carting and labour		582 12	
G. A. Barker	Alcohol and soap		10 70	
J. H. Harding	Balance of travelling expenses for 1885-86		38 43	
Brundage & Jackson	Making 184 coal bags		455 61	
J. H. Harding	Travelling expenses, 1886-87		266 23	
Thos. McAvity & Sons	White lead and paints		576 70	
R. A. Guildford	Expenses landing coal		58 40	
A. G. Bowes & Co	Tin measures and oil cans		42 28	
Edward A. Everett	Window glass and paper		89 06	
T. B. Barker & Sons	Boiled and raw oil, white lead and paints		1,373 65	
Jas. Johnston	Inspectors postage account and rent of box		24 93	
Alfred Wadlin	Freight		37 90	
Str. "Flushing"	do		25 25	
W. H. Thorne & Co.	Auger, brace and bit and zinc		20 40	
Harding & Hatheway	Lime		3 00	
Vaughan & Bros	437 yards canvas for coal bags		174 80	
Halifax Banking Co.	Draft for lighterage on 165 tons coal to "Newfield"		123 75	
John Como	Trimming 374 tons coal to "Newfield"		25 18	
E. Chase	Freight on 38 tons coal		22 80	
Coles & Parsons	Tin cans		6 90	
J. Williard Smith	Lighterage on 171 tons coal		102 60	
J. S. Flemming	Freight on oil		81 80	
Odber Flewelling	do		1 00	
Chas. L. Nelson	Twine and wrapping paper		19 04	
Estey Alwood & Co	Rubber covers and coat for boat		16 90	
John Cother	Taking care boat house, 1886		10 00	
John McEvan	Carting oil to steamer "Newfield"		12 00	
Henry S. King & Co	12 months subscription to Magazine		3 75	
Neil A. Seelye	Travelling expenses		18 88	
Robt. Wilkins	Painting lighthouse St. John River		95 95	
A. Christie W W. Co	Repairing door and shelving		18 56	
Emma A Thomas	12 months salary as telegraph operator		150 00	
A. B. Clark	Expressage		1 80	
Barbour & Staples	Inspecting paints		3 00	
R. C. Quigley	Inspector of lights, telegraph bill		19 81	
Imperial Oil Co	2,526 galls. oil, at 25 cts	$ 631 50		
do	$2,701\frac{22}{100}$ do 22	594 27		
do	$5,476\frac{60}{100}$ do $22\frac{1}{2}$	1,232 24		
do	$5,590\frac{88}{100}$ do $25\frac{1}{4}$	1,425 68		
do	10,320 do $23\frac{1}{2}$	2,425 20		
do	Overpaid and placed to credit of Receiver General	716 08		
			7,024 97	
E. Gaskill	Freight to Grand Manan lights		19 65	
Jas. Buttimer	Survey land, Harper's Pt., $25; Shippegan, $25		50 00	
D. L. Hutchinson	29 doz polishing paste		58 00	
Chas. Babbitt	Freight to River and Grand Lake lights		23 10	
	Carried forward		12,160 89	

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued*.

			$ cts.	$ cts.
	Brought forward		12,160 89	
	GENERAL ACCOUNT—*Concluded.*			
Walter Lane	Carpenter work repairing coal shed		2 50	
John W Ingersoll	Freight		13 05	
Intercolonial Railway	Freight on glass		3 92	
Gilbert Doody	Labour in warehouse		10 00	
Jos. Millar	Cartages, postages and express charges		10 41	
F. Harding	do freight and telephone messages		20 85	
R. B. Humpreys	Freight to River lights		17 05	
D. Weldon	Horse hire.		3 00	
R. R. Call	Rent of warehouse and wharfage		50 00	
James Hunter	Repairing locks and keys		7 10	
Alfred Wadlin	Freight		33 00	
Jos. Bullock	Storage on oil		65 33	
W. G. Robertson	Freight on oil from Quebec		15 20	
E. Lee Street	Ink and stand		31 35	
Magee Bros	Weighing coal		12 95	
C. E. Harding & Sons	Lumber		25 29	
Schr. Edmond & Owners	Lightering 219 tons coal		131 40	
Joggins Coal Mining Ass.	672 tons coal	$1,310 40		
do	Lightering 292 tons coal	145 20		
			1,455 60	
Truro Foundry and Machine Co	1 doz tongs		46 80	
Robt. Carson	Lighterage on 211 tons coal, at 60 cts.		126 60	
Barbour & Staples	Painting boat		17 10	
T. R. Jones & Co	Cotton, flannel and toweling		47 84	
Macaulay Bros. & Co	do		136 35	
J. R. Stone	Express charges files and indexes		67 65	
Daniel & Boyd	Cotton, flannel and toweling		50 29	
Alex. Stewart	1,084 lbs. soap, at 3¾ cts		40 65	
John W. Gilmour	Subscription to newspaper to 12th Dec., 1887		5 00	
P. W. McNaughton	Trimming coal, steamer "Lansdowne"		37 20	
J. R. Cameron	Chimneys, burners, wicks and lamps		741 80	
Wm Logan	1,080 lbs. soap, 3¾c		40 50	
S. Hayward & Co.	Red, black and yellow paint		64 50	
T. S. Simms & Co.	Brushes, brooms and dusters		157 00	
F. W. Wisdom	Machine oil, copper and bellows		234 28	
J. R. McFarlane	1,080 lbs soap, 3¾c		40 50	
J. & J. D. Howe	Boat cushions		24 00	
Grand Southern Ry	Freight		3 85	
Thos. Ferrin	Labour and lumber, making boxes		21 46	
				15,952 26
	LIGHTHOUSES.			
	Beaver Harbour Light.			
E. Snell	12 months salary as Keeper	$246 28		
Receiver-General	do superannuation tax	3 72		
			250 00	
J. R. Cameron	Globes, wicks, chimneys		16 45	
G. A. Barker	Alcohol and matches		4 00	
C. E. Harding & Son	Lumber and cartage		153 1	
E. Ross	Oars		4 00	
W. H. Thorne & Co	Shovel and axe		4 20	
Benjamin Small	Freight on lumber		17 16	
W. E. Mallory	Horse hire with carpenter		6 00	
Obadiah Conley	34 days carpenter work	$51 00		
do	Travelling expenses	3 00		
			54 00	
T. B. Barker & Sons	Boiled and raw oil		11 10	
Barbour & Staples	Glass, labour, painting		298 34	
J. R. Anderson	73 days carpenter work, $120.25; tar paper and tacks, $7.22		127 47	
	Carried forward		945 84	15,952 26

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick.—*Continued.*

			$ cts	$ cts.
	Brought forward		945 84	15,952 26
	LIGHTHOUSES—*Continued.*			
	Beaver Harbour Light—Concluded.			
E. C Lyle	Surveying land		15 75	
E. Snell	Allowance for fuel to 30th June, 1887		20 00	
E. Chanteloup	½ doz. circular burners		72 50	
G. Hevenor	Iron chiminey top		10 55	
				1,064 64
	Beacon Light.			
Timothy Clark	12 months salary as Keeper	$445 00		
Receiver-General	do superannuation tax	5 00		
			450 00	
G. H. Clark	Repg. stairs, $6; whitewashing, $28.80.	$34 80		
do	Painting	10 00		
			44 80	
Henry King	Boating oil and labourers		49 80	
G. A. Barker	Chamois, shovels and sponges		31 55	
W. H. Thorne & Co.	Window glass		0 24	
J. R. Cameron	Chimneys, globes and burners		33 90	
John Woodley	Repairing boat		16 00	
Barbour & Staples	Painting and labour		20 13	
T. B. Barker & Son	5 gallons raw oil, 57c., $2·85; 5 gallons boiled oil, 62c., $3.10		5 95	
Walter Lane	3 days' labour, at $2.50, $7.50; 3 days' labour, at $1.75, $5.25		12 75	
Estey, Allwood & Co.	Life buoy and line		4 50	
C. E. Harding & Son	Lumber		18 11	
Timothy Clark	Allowance for fuel to 30th June, 1887		20 00	
Wm. Lewis & Son	Screw bolts, shackles, chain		120 64	
D. L. Hutchinson	Repairing clock		1 75	
Henderson, Lorigan & Burns	Stove, grate		0 70	
Edwin Clark	8 days' labour		10 00	
G. Hevenor	Tin shields, stove pipe and labour		60 10	
E. Ross	Oars		6 00	
				906 92
	Bliss Island Light.			
Cornelius McNichol	12 months salary as keeper		300 00	
J. R. Cameron	Chimneys and burners		27 25	
G. A. Barker	Alcohol		4 25	
Vaughan & Bros	Rope		6 83	
S. G. Blizard	Lumber		72 25	
Cornelius McNichol	Boarding labourers	$ 5 66		
do	Allowance for fuel to 30th June, 1887	20 00		
			25 66	
Jos. Chambers	7½ days labour		15 00	
Sarah J. Drake	Six-yard ensign		18 00	
				469 24
	Bathurst Light.			
Geo. C. Sutherland	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
Geo. C. Sutherland	Building oil shed and boathouse	$27 50		
do	1 year's rent of land	8 00		
			35 50	
				235 50
	Carried forward			18,628 56

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward			18,628 56
	LIGHTHOUSES—*Continued.*			
	Belyea's Point Light.			
S. B. Belyea	12 months salary as Keeper		80 00	
T. B. Barker & Sons	Paint brushes		2 96	
James E. Ganong	Painting lighthouse		86 20	
S. B. Belyea	36 days boarding painters	$18 00		
do	Repairs to light and freight	16 52		
			34 52	
				203 68
	Bay du Vin Light.			
James Chapman	12 months salary as Keeper		200 00	
John Lawlor	Registering deed		3 00	
James Cregan	Carting oil		4 00	
H. C. Williston	do supplies		7 50	
				214 50
	Buctouche Beacon Light.			
H. B. Robicheaux	12 months salary as Keeper		150 00	
J. R. Cameron	Wicks		1 74	
H. B. Robicheaux	3 cords wood, $9; carting oil and freight, $6.48		15 48	
H. Robicheaux	Allowance for fuel to 30th June, 1887		10 00	
T. B. Barker & Sons	Raw oil		7 50	
Coles & Parsons	Stovepipe		2 55	
Frank Brean	Painting building		7 00	
				194 27
	Belle Isle Light.			
Israel Nobles	12 months salary as Keeper		93 33	
J. R. Cameron	Wicks and measures		5 90	
				99 23
	Cape Enragé Light.			
W. S. Strarratt	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
J. R. Cameron	Chimneys and burners		11 50	
Wm Wood	Freight		8 00	
				419 50
	Cape Jourimain Light.			
A. W. Bent	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
A W. Bent	Labour, making well	$56 54		
do	Allowance for fuel to 30th June. 1887	32 00		
			88 54	
				388 54
	Caraquet Light.			
Joseph Porlier	12 months salary as Keeper		200 00	
Robt. Young	$42\frac{25}{100}$ galls. paraffine		10 44	
				210 44
	Carried forward			20,358 72

STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			20,358 72
	LIGHTHOUSES—*Continued.*			
	Cox's Point Light.			
M. Y. Cox	12 months salary as Keeper		80 00	
do	Lumber, labour, repairing and saving lighthouse		324 66	
G. Hevenor	Repairing lamps		33 60	
J. R. Cameron	Burners		1 50	
J. Horncastle	Blocks and rope		16 99	
W. S. Frost	Carpenter work		24 20	
				480 95
	Cassie's Point Light.			
Chas. LeBlanc	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
Chas. LeBlanc	Glass and freight		4 41	
P. LeBlanc	Painting lighthouse		9 00	
John Ferguson	White lead, oil, soap and paint		73 40	
				336 81
	Cape Spencer Point Light			
Geo. C Blacklock	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
Wm. Byrans	Building gate and labour		18 60	
D. L. Hutchinson	Repairing clock		2 00	
Fred. Blacklock	Carting, boarding labourers		74 80	
Harris Allan	Stoves		25 00	
James Stewart	12 cords wood, $21.60; building sewer, $6.00		27 60	
G. Hevenor	Labour and material repairing lantern and lamps		248 71	
J. R. Cameron	Lantern, lamps, blinds and cord		9 50	
James Lyman	Labour		20 00	
W. H. Thorne & Co.	Patent dryers		0 84	
G. A. Barker	½ doz. chamois		4 00	
				831 05
	Church Point Light.			
D. O. Maillet	12 months salary as Keeper		150 00	
do	Shingling beacon, $50; 4 cords wood, $10		60 00	
Cameron Burk	Brushes, flannel and soap		8 77	
				218 77
	Clifton Light.			
Chas. F. Scott	12 months salary as Keeper		100 00	
				100 00
	Dalhousie Light.			
Louis Arseneaux	12 months salary as Keeper		100 00	
J. R. Cameron	Chimneys		4 75	
George Moffatt	Removing and painting light		100 00	
				204 75
	Escuminac Light.			
Thos. Phillips	12 months salary as Keeper	$395 00		
Receiver General	do superannuation tax	5 00		
			400 00	
J. H. Phinney	Lantern		0 90	
E. Lee Street	Alcohol and polish		5 00	
Geo. Watt	Paint and oil		5 10	
				411 00
	Carried forward			22,942 05

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward			22,942 05
	LIGHTHOUSES—*Continued.*			
	East Head Light (Musquash).			
Chas. P. Hamm	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
Chas. P. Hamm	Carting, $4 50; boating, $11.00.	$15 50		
do	Allowance for fuel	20 00		
			35 50	
J. R. Cameron	Wicks, cotton, brooms, towels.		37 61	
W. H. Thorne & Co.	Nails and raw oil		9 55	
Walter Lane	Labour shingling roof		61 25	
Henry King	4 days carting lumber		18 00	
C. E. Harding & Son	Lumber		36 89	
				498 80
	Fox Island Light (Upper).			
Wood Williston	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
John McNaughton	Rent of land to 1st July, 1886		30 00	
John Ferguson	White lead and oil		41 90	
Chas. Bennett	Repairing lantern and lamps		14 00	
H. C. Williston	Carting supplies		9 00	
				394 90
	Fox Island Light (Lower).			
Robt. Reinsborrow	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
Robt. Reinsborrow	6 cords wood at $3		18 00	
				218 00
	Fanjoy's Point Light.			
Wm. Fanjoy	12 months salary as Keeper		80 00	
do	Boarding painter and horse hire		9 50	
J. R. Cameron	Burners		2 00	
G. Hevenor	Sheet lead, canvas and lamps		33 23	
				124 73
	Flewelling's Wharf Light.			
Daniel T. Flewelling	12 months salary as Keeper		80 00	
J. R. Cameron	Wicks		0 25	
				80 25
	Grindstone Island Light			
G. M. Russel	12 months salary as Keeper		400 00	
Mrs. James Clark.	2 years rent of boathouse to 1st July, 1887		24 00	
Estey Allwood & Co.	Pails, polishing paste and olive oil		17 68	
W. H. Thorne & Co.	Putty		1 26	
G. M. Russel	Boarding painters		28 50	
R. J. Wilkins	Painting lighthouse		118 61	
				590 05
	Gannet Rock Light.			
O. A. Kent	12 months salary as Keeper	$594 40		
Receiver-General	do superannuation tax	5 60		
			600 00	
	Carried forward		600 00	24,848 78

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc. —*Continued.*

			$ cts	$ cts.
	Brought forward		600 00	24,848 78
	LIGHTHOUSES—*Continued.*			
	Gannet Rock Light—Concluded.			
Macaulay Bros. & Co.	Cotton, flannel and baize		16 20	
Sarah J. Drake	Flags		22 00	
J. R. Cameron	Lamps, lanterns, chimneys		33 75	
C. E. Harding & Son.	Lumber		35 36	
L. V. Kent	Boating water		66 00	
W. H. Thorne & Co.	Nails, anchors and copper tacks		66 79	
Joggins Coal Mining Ass.	5 tons of coal at, $1.95		9 75	
O. A. Kent	Boating supplies		8 00	
Vaughan & Bros	Wire rope		35 94	
A. H. & C. W. Ribber	Lamps and chimneys		14 20	
James Armstrong	6 water kegs		39 00	
J. Ingersoll	Freight on water casks		6 00	
Wm. Harvey	Boating water, $132; postage, $6.	$138 00		
do	Cordwood, $33; cartage, $5.50	38 50		
			176 50	
Wm. Benson	Boating water		76 00	
Harris Allan	Stove		10 00	
John W. Kent	Repairing boat		20 50	
Wm. Flewelling	do		23 00	
T. R. Jones & Co.	Cotton, flannel and towels		14 45	
Wm. Logan	120 lbs. soap		4 50	
T. S. Simms & Co.	Brooms and brushes		9 30	
				1,287 24
	Green Head Light.			
Thos. E. Looney	12 months salary as Keeper		80 00	
J. R. Cameron	Chimneys, burners and wicks		5 50	
S. Hayward & Co	Nails, washers and locks		4 18	
Walter Lane	Carpenter work		70 35	
Bridget Looney	Boarding carpenters		16 00	
D. B. Warner	Plank and boards		15 02	
G. Hevenor	Repairing lamps and labour		56 28	
T. B. Barker & Sons	5 galls. raw oil		3 75	
Jas. E Ganong	Labour, painting building		58 50	
Thos. E. Looney	Boarding painters 3 weeks		12 00	
Jos. Armstrong	Rent of land to 1st November		10 00	
				331 58
	Grant's Beach Light.			
John Delaney	12 months salary as Keeper		125 00	
J. R. Cameron	Lamps		0 60	
John Delaney	Carting oil and supplies		7 00	
Chas. Bennett	Repairing lantern and lamps		7 00	
				139 60
	Goose Lake Light.			
D. J. B. Robicheaux	12 months salary as Keeper	$246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
John Ferguson	Oil, soap and cotton		29 45	
Jos. Wilson	Repairing lighthouse		14 43	
E. Lee Street	Alcohol and polish		5 00	
				298 88
	Grand Harbour Light.			
Mark Daggett	12 months salary as Keeper		400 00	
W. H. Thorne & Co.	Sheet lead, zinc, spikes		30 41	
	Carried forward		430 41	26,906 08

STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc, in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		430 41	26,906 08
	LIGHTHOUSES—*Continued.*			
	Grand Harbour Lipht—Concluded.			
J. R. Cameron	Wicks, burners and chimneys		21 20	
J. R. Smith	½ doz. baskets		2 40	
G A. Barker	Alcohol and chamois skins		16 25	
Geo. Douglas	Freight on lumber		19 20	
C. E. Harding & Son	Lumber		122 12	
Mark Daggett	Carpenter work and postage	$ 10 00		
do	Lumber and labour	33 75		
do	Allowance for fuel to 30th June, 1887	20 00		
			63 75	
A. W. Ingersoll	Freight on glass, spikes and lead		4 80	
A. G. Bowes & Co	Stovepipe		6 07	
G. Hevenor	Repairing burners		1 50	
				687 70
	Hillsborough Pier Light.			
W. H. E. Steeves	12 months salary as Keeper		75 00	
Jordan Steeves	Labour painting		18 28	
J. R. Cameron	Lamp		2 50	
				95 78
	Head Harbour Light.			
Neil A. Seelye	12 months salary as Keeper	$ 394 36		
Receiver-General	do superannuation tax	5 64		
			400 00	
Harding & Hatheway	4 barrels lime		3 00	
J. R Cameron	Wicks and chimneys		8 85	
W. H. Thorne & Co	Shovels, glass, cement and galvanized nails		60 01	
Intercolonial Railway	Freight		61 02	
E. Chanteloup	Lantern and fittings	$ 926 68		
do	2 step ladders	9 00		
			935 68	
L. C. Barney	Glass		171 63	
C. E. Harding & Son	Lumber		15 92	
D. W. Clark & Co	do		279 50	
G. Hevenor	Repairing lantern glass		11 85	
W. H. Frost	On account labour bill		300 00	
Wm. Lewis & Son	Screw bolts		10 85	
				2,258 3
	Heron Island Light.			
John Dutch	12 months salary as Keeper	$ 197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
John Ferguson	White lead, oil and brushes		30 30	
				230 30
	Hendry's Point Light.			
E. M. Hendry	12 months salary as Keeper		80 00	
do	6 days boarding painter		3 00	
				83 00
	Hay Island Light.			
Jos. McKnight	12 months salary as Keeper	$ 148 12		
Receiver-General	do superannuation tax	1 88		
			150 00	
	Carried forward		150 00	30,261 17

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		150 00	30,261 17
	LIGHTHOUSES—*Continued.*			
	Hay Island Light—Concluded.			
John Ferguson	White lead, oil and turpentine		27 30	
R. R. Call	Freight on boat and oil		4 00	
Jos. O. Savoy	2 years rent of land		16 00	
Geo. Watt	Boat and oars		30 00	
				227 30
	Jemseg Light.			
Geo. F. Nevers	12 months salary as Keeper		80 00	
J. R. Cameron	Wicks, globes and lanterns		3 55	
				83 55
	Lightship (Miramichi) Light.			
Timothy Daley	12 months salary as Keeper	$ 695 00		
Receiver-General	do superannuation tax	5 00		
			700 00	
Geo. E. Chandler	Purchase of schooner and outfits		2,200 00	
Hans Halverson	13½ days labour		20 25	
Chas. Patton	13½ do		20 25	
John Ashford	28 do		42 00	
W. Ballay	Advertising tenders		2 24	
W. McLean	4,780 lbs. iron		47 80	
R. R. Call	Towing coal and lumber		120 10	
Wm. Fraser	Boiler hatch		16 00	
Jas. Carter	Labour changing light		14 00	
Alex. Morrison	Lumber		5 50	
James Wright	Removing ballast	$ 15 00		
do	Cutting ice, $10; labour, $16.50	26 50		
			41 50	
Samuel Carruthers	Carting oil		6 00	
Wm. Muirhead	Castings and shackles		15 50	
John McLaggan	Lumber		4 00	
John Ferguson	Oakum, rope, oil and paint	$ 86 28		
do	Rope, wicks, lead, coal and brooms	147 42		
			233 70	
D. & J. Ritchie	Lumber, $13.53; 121 lbs. iron, $4.84		18 37	
E. Hutchinson	Towing		50 00	
J. H. Phinney	Stovepipe		22 53	
W. & C. Anslow	Advertising		1 50	
John Fotheringham	Passage and freight		3 50	
John L. Stewart	Advertising		7 20	
Wm. McLeod	Repairs		8 00	
John Rae	do to iron		22 70	
Wm. Wright	6 days labour		9 00	
Allan Daley	7 do		10 50	
Hugh Osborne	4 do		6 00	
Wm. Richards	Lumber		24 32	
Wm. Masson	Oakum, rope and white lead		36 66	
J. C. Millar	Towing lightship		40 00	
				3,749 12
	Little Belledune Light.			
Wm. Roberty	12 months salary as Keeper			100 00
	Machias Seal Island Light.			
Chas. F. Seely	12 months salary as Keeper		500 00	
Sarah J. Drake	Flags		33 00	
	Carried forward		533 00	34,421 14

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		533 00	34,421 14
	LIGHTHOUSES—*Continued.*			
	Machias Seal Island Light—Concluded.			
Barbour & Staples	Labour painting, glass, glazing and freight		717 36	
C. E. Harding & Son	Water tanks and lumber		108 43	
J. R. Cameron	Burners, chimneys and lamps		36 25	
S. G. Blizard	Lumber		117 70	
Wm. Benson	Boating		56 00	
Chas. F. Seely	Repairing clock and postage		6 00	
Wm. Quinn	Freight on car wheels, $6 00; on boat $6.00.		12 00	
J. W. Benson	Boating and horse hire		28 00	
Wm. Lewis & Son.	Bolts, chain, valves and labour.		58 95	
Elizabeth Ann Conley	Balance in full for improvements.		393 00	
John Woodley	Boat		45 00	
Harris Allan	Stove and bolts		9 70	
				2,121 39
	Midgic Bluff Light.			
Mrs. John W. McDiarmid	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
Angus Burgess	Storage, wood, cartage, postage		89 29	
T. S. Simms & Co.	Brooms and brushes		5 80	
Mrs John W. McDiarmid	Boat		30 00	
W. H. Thorne & Co.	Pails, alcohol and glass		36 57	
G. Hevenor	Repairing reflectors		34 25	
J. R Cameron	Burners, wicks and chimneys		2 75	
				398 66
	Miscou Light.			
Robt Rivers	12 months salary as Keeper	$493 72		
Receiver-General	do superannuation tax	6 28		
			500 00	
Jos. H. Mann	Freight		5 00	
E. Lee Street	Alcohol and polish		5 00	
				510 00
	Musquash Island Light.			
Daniel Smith	12 months salary as Keeper		80 00	
G. A. Barker	Soap, waste and chamois skins		6 10	
G. Hevenor	Pump and pipe		7 08	
				93 18
	Middle Island Light.			
Daniel McEwen	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
Geo. Watt	White lead, glass and oil		17 95	
Chas. Bennett	Repairing lantern		11 00	
				328 9[illegible]
	Mark's Point Light.			
Patrick Toomey	12 months salary as Keeper		120 00	
Wm. Lewis & Son	Iron work		21 00	
J. R. Cameron	Wicks		1 25	
John Boyd	Carting oil		3 00	
				145 2[illegible]
	Carried forward			37,018 5[illegible]

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			37,018 57
	LIGHTHOUSES—*Continued.*			
	McMann's Point Light.			
Robt. McMann	12 months salary as Keeper		80 00	
J. R. Cameron	Chimneys, globes and wicks		10 80	
Robt. McMann	8 days board painter		5 00	
G. Hevenor	Repairing lamp, braces, iron, rope		25 36	
				121 16
	Mulholland's Point Light.			
Malachi Parker	12 months salary as Keeper		200 00	
G. R. Batson	Cordwood and coal		24 00	
J. R. Cameron	Burners, wicks and chimneys		17 65	
Joggins Coal Mining Association	4 tons coal, at $1.95		7 80	
G. W. Mabee	Carting coal and oil		6 36	
				255 81
	No Man's Friend Light.			
Morris Scovil	12 months salary as Keeper		80 00	
J. R. Cameron	Chimneys, oil and cans		10 33	
G. Hevenor	Labour, repairing lantern		44 73	
Morris Scovil	Boarding painter	$10 00		
do	Repairing light	15 00		
			25 00	
Jas. E. Ganong	Painting light		46 75	
				206 81
	Neguac Light.			
Wm. Drummond	12 months salary as Keeper		200 00	
Romain Savoy	Removing light		8 00	
				208 00
	Negro Town Point Light.			
E. Ross	12 months salary as Keeper	$296 28		
Receiver-General.	do superannuation tax	3 72		
			300 00	
Causey & Maxwell	Cement and labour		6 00	
E. Ross	Rope and oars		17 18	
J. R. Cameron	Lantern and flannel		16 05	
				339 23
	Newcastle Light.			
Wm. Merry	12 months salary as Keeper		150 00	
John Ferguson	White lead, paint and turpentine		21 15	
				171 15
	Oak Point (St. John River) Light.			
Wm. McLeod	12 months salary as Keeper		80 00	
J. R. Cameron	Wicks		0 60	
G. Hevenor	Repairing lantern glass		21 05	
				101 65
	Oromocto Shoals Light.			
Chas. H. Gilmore	Salary from 1st July, to 30th September, 1886		20 00	
Wm. Rudledge	do 1st October, 1886, 30th June, 1887		60 00	
Jas E. Ganong	Painting lighthouse		48 95	
				128 95
	Carried forward			39,551 33

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STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc, in New Brunswick, etc —*Continued.*

			$ cts.	$ cts.
	Brought forward			39,551 33
	LIGHTHOUSES—*Continued.*			
	Oak Point (Miramichi) Light.			
Peter Morrison	12 months salary as Keeper		100 00	
do	Carting oil		4 00	
John Ferguson	White lead, oil and turpentine		28 05	
Chas. Bennet	Repairing lantern and lamps		10 00	
				142 05
	Partridge Island Light.			
James Wilson	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
Wm. Lewis & Son	Iron work, eyebolts, wrench		24 87	
Henry King	Labour, boating and boat hire		181 80	
G. A. Barker	Soap, olive oil and alcohol		38 95	
W. H. Thorne & Co.	Tar paper, nails, spikes and pails		68 20	
J. R. Cameron	Chimneys, burners and oil		41 20	
E. Ross	Oars		7 40	
Estey, Allwood & Co.	Tallow, files, globe and valves		24 49	
Barbour & Staples	Paint and labour		80 86	
Brundage & Jackson	Boat sail		23 78	
John Woodley	Boat, $51.50; repairing boat, $10		61 50	
Coles & Parsons	Stovepipe		3 80	
Jas. Wilson	Boarding painter, $12; repairing wharf, $9 75		21 75	
L. C. Barney	Glass		171 62	
Intercolonial Railway	Freight		62 76	
E. Chantleoup	New lantern and fittings		926 68	
G. Hevenor	Galvanized iron, labour and repairing lantern		39 09	
C. E. Harding & Son	Lumber		6 72	
D. W. Clark & Sons	On account, labour and lumber		400 00	
John DeFeies	Expenses and services recovering lantern		179 00	
Jas. A. Burns	Boarding divers		14 50	
New Brunswick Trading Co.	Towing screw		5 00	
				2,783 9[illegible]
	Point Lepreaux Light.			
G. H. Thomas	12 months salary as Keeper		400 00	
Horatio Dowdall	Labour on road		19 50	
Causey & Maxwell	Plastering and mason work		66 00	
W. N. DeWitt	Labour and repairs to dwelling		86 70	
W. H. Thorne & Co.	Nails, shovels, coal hods, zinc		34 98	
Harding & Hatheway	Lime		1 15	
J. R. Cameron	Burners, wicks, chimneys		26 25	
John Woodley	Repairing boat		13 00	
Barbour and Staples	Painting boat		12 95	
G. A. Barker	3 galls. alcohol		12 45	
S. G. Blizard	Lumber		79 75	
Wm. Lewis & Son	Iron bolts, blocks and sheaves		31 40	
G. H. Thomas	Boarding labourers, lumber, etc		64 27	
G. Hevenor	Chimney top and pipe		13 15	
J. B. Hamm	4 days horse hire		16 00	
Harris Allan	Stove, $7; pipe and fittings, $10.01		17 01	
Sun Publishing Co.	Advertising		15 00	
C. E. Harding & Son	Lumber		15 62	
				925 1[illegible]
	Portage Island Light.			
Jas. Stymest	12 months salary as Keeper	$ 197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
	Carried forward		200 00	43,402 5[illegible]

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc, in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		200 00	43,402 53
	LIGHTHOUSES—*Continued.*			
	Portage Island Light—Concluded.			
John Ferguson	White lead and oil		15 90	
R. R. Call	Freight on oil		6 00	
				221 90
	Pokemouche Light.			
Mrs. Philip Robicheaux	12 months salary as Keeper	$ 197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
John Ferguson	White lead, oil and soap		59 55	
Seraphi Robicheaux	Carting, brush and lamps		20 00	
				279 55
	Pea Point Light.			
Alex. Davidson	12 months salary as Keeper	$ 246 88		
Receiver-General	do superannuation tax	3 12		
			250 00	
T. B. Barker & Sons	Raw and boiled oil		35 45	
W. H. Thorne & Co.	Soap, turpentine and brushes		17 55	
Macaulay Bros. & Co	Flannel, toweling and waste		13 20	
Barbour & Staples	Labour, painting buildings		207 26	
Alex. Davidson	Allowance for fuel to 30th June, 1887		20 00	
John Dewar	42½ galls. oil		14 25	
J. R. Cameron	Oil		8 95	
G. Hevenor	Repairing couplings		1 75	
				568 41
	Passamaquoddy Bay Light.			
Hugh Maloney	12 months salary as Keeper	$ 345 64		
Receiver-General	do superannuation tax	4 46		
			350 00	
H. Greenlaw	Boating, water and labour		32 25	
J. R. Cameron	Chimneys, wicks, lamps		9 00	
Joggins Coal Mining Ass.	8 tons coal, at $1.95		15 60	
Hugh Maloney	Boating, freight, labour, sail		59 88	
H. G. Maloney	Boating, labour and stone work		134 13	
C. E. Harding & Son	Lumber		32 87	
John Woodley	Boat and oars		50 40	
Wm. Lewis & Son	Ironing boat		3 25	
Barbour & Staples	Painting		15 10	
T. McAvity & Son	Repairing reflector		40 00	
Obadiah Conley	11 days labour		16 50	
				758 98
	Preston's Beach Light.			
Thos. Lewis	12 months salary as Keeper		125 00	
M. Preston	do rent of land		20 00	
Phillip Floyd	Repairing iron work		7 00	
Danl. Lewis	do beacon		29 50	
J. H. Phinney	Lantern		0 90	
				182 40
	Petit Rocher Light.			
Hilarion Roy	12 months salary as Keeper	$ 148 12		
Receiver-General	do superannuation tax	1 88		
			150 00	
				150 00
	Carried forward			45,563 77

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			45,563 77
	LIGHTHOUSES—*Continued.*			
	Poquesudie Light.			
Octave Hachey	12 months salary as Keeper	$ 148 12		
Receiver-General	do superannuation tax	1 88		
			150 00	
Rene LeBoutellier	do rent of land		4 00	
Robt. Young	Cotton, matches, nails		9 95	
John Ferguson	Soap, white lead, oil and cotton		48 65	
				212 60
	Public Wharf and Montgomery's Island Light.			
Henry McNeil	12 months salary as Keeper		122 50	
do	Lumber, nails and labour		5 95	
				128 45
	Palmer's Point Light.			
R. R. Palmer	12 months salary as Keeper		80 00	
G. Hevenor	Oil tank, $15; repairing lantern, $3.40		18 40	
				98 40
	Quaco Light.			
Chas. Brown	12 months salary as Keeper		400 00	
Sarah J. Drake	Six-yard ensign		18 00	
J. R. Cameron	Chimneys, burners and reflectors		10 50	
Robt. Carson	Freight		1 85	
A. F. Dibble	19-foot boat, at $3 per foot		57 00	
W. H. Thorne & Co.	Tubing		6 79	
Edward A. Everett	Wall paper		2 60	
Chas. Brown	Lumber, cartage and boarding		17 21	
D. W. Clark	Amount paid J. Brown for right of way		150 00	
G. Hevenor	Oil tank and lamp		82 19	
				746 14
	Robertson's Point Light.			
S. W. Robertson	12 months salary as Keeper		80 00	
J. R. Cameron	Chimneys and burners		5 30	
S. W. Robertson	Boarding painter 4 days		2 00	
Richard Robertson	5 days labour		10 00	
G. Hevenor	Sheet lead, lamp and labour		23 13	
				120 43
	Richibucto Light.			
Fabrien Richard	12 months salary as Keeper	$182 68		
Receiver-General	do superannuation tax	2 32		
			185 00	
Fabrien Richard	Making fence		51 00	
John Ferguson	White lead, paint and brushes		35 30	
				271 30
	Richibucto Beacon Light.			
Pacifique Léger	12 months salary as Keeper	$197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
Pacifique Léger	2 years allowance for fuel to 30th June, 1887		50 00	
				250 00
	Carried forward			47,391 09

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			47,391 09
	LIGHTHOUSES—*Continued.*			
	Railway Wharf Light.			
Geo. Cummings	12 months salary as Keeper		100 00	
Edward Hargnail	Amount of contract elevating light		20 00	
				120 00
	South Tracadie Light.			
Jos. Forbes	12 months salary as Keeper	$148 12		
Receiver-General	do superannuation tax	1 88		
			150 00	
Wm. Ferguson	Rent of boathouse, $5.00; stovepipe, $7.01		12 01	
				162 01
	Swallow Tail Light.			
John W. Kent	12 months salary as Keeper	$395 00		
Receiver-General	do superannuation tax	5 00		
			400 00	
T. B. Barker & Sons	Soap and sponges		17 00	
T. S. Simms & Co.	Brushes, brooms and pails		8 90	
W. H. Thorne & Co.	Paint, nails, spikes, shovels, zinc		40 28	
J. R. Cameron	Wicks, chimneys, burners, lanterns		48 00	
S. J. Naves	Boat links, posts, iron work		33 23	
C. E. Harding & Son	Lumber		66 05	
Wm Lewis & Son	Iron, labour and tramway track		130 00	
E. Ross	2 pairs oars		4 75	
Benjamin Robinson	Repairing boat		6 50	
John W. Kent	Boarding men, $34.39; postage account, 1885-86, $8.00		42 39	
Joggins Coal Mining Association	15 tons coal, at $1.95		29 25	
J. R. Smith	3 doz baskets		14 40	
Estey, Allwood & Co.	Force pump, hose and pipe		60 90	
A. W. Ingersoll	Freight		5 45	
George T. Kent	Labour whitewashing		15 00	
John Woodley	Repairing boat		12 00	
Walter Lane	Labour and travelling expenses		54 30	
Thos. Redmond	Landing supplies, soap, white lead and rope		60 32	
Harris Allan	Blocks, pipe, rope and bolts		40 79	
				1,089 51
	St. Andrew's Light.			
Geo. Pendlebury	12 months salary as Keeper	$296 28		
Receiver-General	do superannuation tax	2 84		
			299 12	
John Pendlebury	Building fence, $15.00; freight, $3.75		18 75	
J. R. Cameron	Wicks and chimneys		9 88	
Levi Hardy	Building chimney		18 93	
Robt. Glenn	Nails and lumber		15 14	
Geo. Pendlebury	Allowance for fuel to 30th June, 1887		20 00	
				381 82
	Spruce Point Light.			
John Boyd	12 months salary as Keeper		120 00	
J. R. Cameron	Lamp and wicks		1 70	
Todd Bros	Cement, lime and nails		6 50	
John Boyd	Repairs and painting light		45 25	
James Murchie & Sons	Lumber		11 58	
				185 03
	Carried forward			49,329 46

STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc., in New Brunswick—*Continued.*

			$ cts.	$ cts.
	Brought forward			49,329 46
	LIGHTHOUSES—*Concluded.*			
	Sand Point Light.			
Richard Wagner	12 months salary as Keeper		80 00	
J. R. Camerou	Wicks, chimneys and burners		10 50	
Jas. E. Ganong	Painting building		33 40	
Richard Wagner	Boarding painters, $12.15 ; freight, $3.32		15 47	
Robt. Clark	Settlement in full for rent and cutting trees to March, 1887		75 00	
				214 37
	Shediac Light.			
M. Robinson	12 months salary as Keeper	$246 88		
Receiver-General.	do superannuation tax	3 12		
			250 00	
Ferdinand Ouellet	Repairing lamps		1 00	
Geo. Watt	Boat and oars		40 00	
J. R. Cameron	Burners, chimneys and wicks		10 00	
G. Hevenor	Repairing lamps		1 75	
				302 75
	Southern Wolf Light.			
Ezra Munroe	12 months salary as Keeper	$494 36		
Receiver-General	do superannuation tax	5 64		
			500 00	
W. H. Thorne & Co.	Nails		2 40	
C. E. Harding & Son.	Lumber		153 83	
Joggins Coal Mining Ass.	15 tons coal, at $1.95		29 25	
Ezra Munroe	Labour on oil, stone and wall		67 00	
Alfred Wadlin	Freight on shingles		12 10	
E. A. Munroe	Labour, repairing wall and barn		35 00	
				799 58
	Shippegan Light.			
F. H. Dumaresq	12 months salary as Keeper	$276 48		
Receiver-General	do superannuation tax	3 52		
			280 00	
F. H. Dumaresq	Wood and carting brush		9 00	
Wm. Furing & Co	Freight on oil		4 00	
Thos. DeGrace	8 days labour painting		8 00	
John Ferguson	Soap, glass and oil		55 15	
				356 15
	Sheldrake Island Light.			
Duncan Morrison.	12 months salary as Keeper	$296 28		
Receiver-General.	do superannuation tax	3 72		
			300 00	
				300 00
	South West Head Light.			
W. B. McLaughlin	12 months salary as Keeper	$493 72		
Receiver-General	do superannuation tax	6 28		
			500 00	
G. A. Barker	Soap, olive oil and alcohol		41 22	
Alvra McLaughlin	12 months rent of storehouse		24 00	
T. S. Simms & Co.	Brooms and brushes		7 00	
R. P. & W. F. Starr	5 tons hard coal		31 46	
J. R. Cameron	Chimneys, burners, wicks and globes.		38 67	
C. E. Harding & Son.	Lumber		148 77	
W. H. Thorne & Co.	Nails, shovels, hinges and glass		67 82	
	Carried forward		858 94	51,302 31

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc , in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		858 94	51,302 31
	LIGHTHOUSES—*Concluded.*			
	South-West Head Light—Concluded.			
Joggins Coal Mining Ass.	12 tons coal, at $1 95		23 40	
Robt. Laskey	2 patent sheaves		5 00	
A. W. Ingersoll	Freight		7 25	
Ottawa McLaughlin	Carting oil, supplies and labour		429 80	
Irwin Ingalls	3 tons coal		15 75	
Dyer Wilcox	18 days assisting mason		20 00	
Fred Russel	1 day labour, supplies		2 00	
Wm. M. Brown	11 days labour at $2, $22 ; 35 lbs. hair, $2.45		24 45	
Walter Lane	48 do at $2 50, $120 ; 48 days labour at $1.75, $84 ; travelling expenses, $14.70		218 70	
Jas. R. Wilcox	Clearing brush, $8 ; and landing supplies, $4		12 00	
Fawn Formell	Landing supplies, $8 ; team and labour, $37		45 00	
E. Gaskill	Nails, locks and lumber		25 42	
Harris Allan	Cast iron		1 60	
Clevland Russell	Horse hire, labour, carting supplies		10 00	
Wm. Wilcox	Carting coal, oil and supplies		24 00	
Wm. D. Wilcox	Clearing brush, $8 ; and labour on supplies, $2		10 00	
Frank J. Whitnect	Repairing lantern		24 50	
S. J. Naves	Turn buckles and hinges		19 15	
W. B. McLaughlin	⅓ allowance for completing road	$135 00		
do	Boarding labourers, labour and material.	226 00		
			361 00	
C. H. Clark	1 doz brooms		3 00	
G. Hevenor	Oil tank, drip pans and repairs		40 36	
Geo. T. Kent	Freight		7 50	
A. H. Wormell	Digging drain		32 50	
John Joy	Labour landing supplies		4 00	
Magee Bros	5 tons hard coal, 40 barrels and labour		35 50	
				2,260 82
	Tracadie Light.			
Wm. Archer	12 months salary as Keeper	$271 60		
Receiver-General	do superannuation tax	3 40		
			275 00	
John Ferguson	White lead, oil and soap		48 35	
Wm. Archer	Allowance for fuel to 30th June, 1887.		10 00	
G. Hevenor	Repairing and resilvering reflectors		32 00	
J. & R. Young	15 galls. oil, at 40 cts		6 00	
				371 35
	Tabusintac Light.			
Thos. Savoy	12 months salary as Keeper	$ 197 52		
Receiver-General	do superannuation tax	2 48		
			200 00	
Romain Savoy	Surveying gullies, and plans, $19 ; removing light, $10		29 00	
J. H. Phinney	Pipe		1 50	
				230 50
	Wilmot's Bluff Light.			
J. D. Wilmot	12 months salary as Keeper		80 00	
G. A. Barker	Waste and chamois skins		2 70	
J. D. Wilmot	2 weeks boarding painter	$ 7 00		
do	Lumber and cartage	3 00		
			10 00	
Jas. E. Ganong	Painting building		40 95	
				133 65
	Carried forward			54,298 63

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		54,298 63
	LIGHTHOUSES—*Concluded.*		
	William's Landing Light.		
R. C. Williams	12 months salary as Keeper	80 00	
G. Hevenor	Repairing lamps	4 60	
			84 60
	FOG ALARMS.		
	Big Duck Island.		
Samuel G. Dinsmore	9 months salary as Engineer	375 00	
C. E. Harding & Sons	Spars, deal and lumber	175 90	
Vaughan & Bros	Rope and oakum	45 14	
Joggins Coal Mining Ass.	40 tons coal, at $1.95	78 00	
Robt. Sinclair	12½ days labour	18 75	
Ira Guthrie	25 do	37 73	
Wm. Lewis & Son	Iron straps, blocks, eyebolts and steel	79 70	
A. W. Ingersoll	Freight	15 00	
S. G. Blizard	Stove, $15; lumber, $39.90	54 90	
G. Hevenor	Oil tank, drip pans and measures	75 94	
W. H. Thorne & Co.	Oil pipe, wrench, shovel, nails	47 25	
Wisdom & Fish	Pipe, valves and couplings	282 94	
Estey Allwood & Co.	Gauge glasses	5 90	
Coles & Parsons	Stovepipe	12 56	
J. R. Cameron	Lamps, burners and chimneys	21 35	
Hugh Belmore	15 cords wood	105 00	
John Woodley	Boat and oars	50 40	
W. Dinsmore	Labour on coal, carpenter work, etc	67 00	
S. G. Dinsmore	Boarding labourers and boiler makers	22 00	
Andrew Gilmore	10 days labour on reservoir	20 00	
Harris Allan	Cement, hose, valves and couplings	57 67	
Barbour & Staples	Paint and labour	14 71	
John W. Kent	Boating	18 00	
Loring Daggett	Boarding, carting wood, coal, etc	42 43	
Wm. Benson	Freight on coal	80 00	
Robt. Laskey & Sons	2 blocks	7 50	
Wm. Griffin	Boating	16 00	
Jos. Doody	Labour filling coal bags	10 07	
John Dinsmore	do storing do	16 00	
D. McLaughlin & Sons	Repairing boiler and tubes	129 10	
Thos. Redmond	Nails, brushes and water pails	8 05	
			1,989 97
	Cape Enrage.		
W. S. Starratt	12 months salary as Engineer $ 395 00		
Receiver-General	do superannuation tax 5 00		
		400 00	
W. S. Starratt	Boarding boiler makers and travelling expenses	62 88	
W. H. Thorne & Co.	Level and tapeline	7 25	
Joggins Coal Mining Ass	85 tons coal, at $1 95	169 65	
Robt. Carson	Freight on 75 tons coal	97 50	
Danl. Tingley	Carting 85 do	77 50	
Robt. Tingley	12½ cords wood	50 00	
			864 78
	Escuminac.		
Thos. Phillips	12 months salary as Engineer $ 395 00		
Receiver-General	do superannuation tax 5 00		
		400 00	
R. R. Call	40 tons coal, at $5.35, $214; freight, $12	226 00	
	Carried forward	626 00	57,237 98

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc, in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		626 00	57,237 98
	FOG-ALARMS—*Continued.*			
	Escuminac—Concluded.			
Sinclair & Jack	Labour landing 40 tons coal		45 00	
Carrier, Laine & Co.	Fog-alarm and boiler	$980 00		
do	6 steel tongues	32 40		
			1,012 40	
James Mitchell	Removing machinery, painting and fitting boiler, labour		79 80	
Wm. Lewis & Son	Hose, pipe, couplings and labour		66 81	
Thos. Phillips	Expenses fitting up machinery	$70 51		
do	Amount A. & R. Loggies' bill	8 56		
			79 07	
Wm. Richard	Lumber		3 76	
Wm. Muirhead	Carting and use of tools		15 00	
John Ferguson	White lead, paint and brushes		105 40	
G. T. Phillips	Steam pipe and elbows		103 98	
James Fish	Carting boiler and machinery		48 00	
W. C Anslow	Advertising		1 50	
J. W. Gregory	Freight on boiler		19 80	
Geo. Lewis	10 cords wood		35 00	
				2,241 52
	Grindstone Island.			
G. M. Russell	12 months salary as Engineer		300 00	
T. S. Simms & Co.	Brooms and brushes		3 85	
T. B. Barker & Son	Soap, putty and paint		8 50	
J. Williard Smith	Freight on 85 tons coal		85 00	
Wm. Lewis & Son	Valves, flanges, fittings, and labour		581 47	
John Russell	Carting coal and labour		21 25	
James Magee	Boating and shovelling coal		18 00	
G. M. Russell	Boarding engineers		56 53	
Paul C. Robinson	4 days shovelling coal		6 00	
J. R. Cameron	Burners, chimneys and globes		27 75	
Jas. R. Russell	Carting, labour, boating and team hire		86 00	
Alex. Rogers	Flannel, brooms and glass		9 61	
"Sun" Publishing Co.	Advertising		10 00	
C. E. Harding & Sons	Lumber		23 08	
Robt. Carson	Freight on 80 tons coal, at $1		80 00	
Percy Hamilton	5 days labour storing coal		7 50	
				1,324 54
	Grand Manan.			
James Tatten	3 months salary as Engineer to 30th September, 1886	$173 43		
Receiver-General	3 months superannuation tax	1 57		
			175 00	
Geo. T. Tatten	9 months salary as Engineer, from October 1st, 1886, to 30th June, 1887		412 50	
Geo. Tatten	Carting coal and water, shingles, wood		197 01	
Sarah J. Drake	Six-yard ensign		18 00	
Harding & Hatheway	4 barrels lime		3 00	
J. R. Cameron	Chimneys, burners and lamps		15 00	
J. R. Smith	2 doz baskets		9 60	
T. B. Barker & Sons	2 gallons turpentine		1 75	
S. G. Blizard	Lumber		65 50	
Jas. Tatten	Boarding		46 00	
Wm. Lewis & Son	Repairing boiler, iron and boiler tubes		695 32	
Joggins Coal Mining Association	125 tons coal, at $1.95		243 75	
Geo. Giffin	Lumber and labour		143 50	
Estey, Allwood & Co	Life buoy lines, saws and polish		25 25	
	Carried forward		2,051 18	60,804 04

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		2,051 18	60,804 04
	FOG-ALARMS—*Continued.*			
	Grand Manan—Concluded.			
A. W. Ingersoll	Freight		2 00	
Wisdom & Fish	Inspirator pump, wrench and valves		61 16	
Vaughan & Bros	Boiler tubes, rope and oakum		205 34	
C. E. Harding & Sons	Lumber		96 40	
Geo. & Jas Tatten	Deed of right of way and labour		100 00	
Geo. Watt	Freight on boiler tubes		9 25	
Frank Tatten	Carting and boating wood and lumber		161 50	
Wellington Tatten	60 days labour		75 00	
Samuel J. Naves	Spikes and eyebolts		10 34	
Wm. Benson	Freight on oil and deal		6 00	
W. N. McLean	Carting coal		28 00	
F. W. Wisdom	Cement		7 50	
Thos. Redmond	Room paper		4 50	
				2,818 17
	Head Harbour.			
Neil A. Seelye	12 months salary as Engineer		300 00	
J. R. Cameron	Wicks and chimneys		7 75	
C. E. Harding & Son	Water casks, kegs and lumber		91 75	
Neil A. Seelye	Labour, boarding Conley, postage, etc		161 18	
Hugh Belmore	Freight, $10.00; wood and freight, $84.00		94 00	
Joggins Coal Mining Association	44 tons coal, at $1.95		85 80	
Estey, Allwood & Co	Hose		1 80	
Wisdom & Fish	Pipe and valves		45 16	
C. Allison	Examination of water		5 00	
Geo. Douglass	Freight		11 90	
John D. Small	Nails, putty and globes		7 11	
Jas. L McLaughlin	Labour and material		85 75	
Wm. Lewis & Son	Pipe and grate		54 69	
Angus Fisher	Balance contract dwelling, $175 00; extras, $30.00.		205 00	
				1,156 89
	Letete.			
Geo. Holmes	12 months salary as Engineer	$394 36		
Receiver-General.	do superannuation tax	5 64		
			400 00	
Hugh Belmore	9 cords wood and freight, at $7		63 00	
Joggins Coal Mining Ass.	40 tons coal, at $1.95		78 00	
Sydney Dines	Assisting engineer, 12 months		150 00	
Obadiah Conley	3 days labour at $1.50, $4.50; travelling expenses, $1.50		6 00	
Geo. Holmes	Boarding labourers, stone and cartage		26 60	
Jos. Chambers	Carting coal and wood		31 00	
Wm. Lewis & Son	Pipe, valves and bolts		34 91	
Harris Allan	Inspirator, pipe and valves		35 91	
A. & J. McLean	Twine		2 90	
Wisdom & Fish	Pipe and fittings		63 16	
Geo. Chubb	White lead and lumber		8 17	
S. G. Blizard	Lumber		75 40	
				975 05
	Miscou.			
Robt. Rivers	12 months salary as Engineer	$296 28		
Receiver-General	do superannuation tax	3 72		
			300 00	
R. R. Call	50 tons coal, at $5.35		267 50	
Robt. Rivers	Labour, carting and travelling expenses		85 00	
	Carried forward		652 50	65,754 15

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward	652 50	65,754 15
	FOG-ALARMS—*Continued.*		
	Miscou—Concluded.		
J. R. Cameron	Wicking	1 20	
John Ferguson	Coal bags, rope and packing	135 60	
John Chesson	12 cords wood	36 00	
			825 30
	Machias Seal Island.		
Chas. F. Seely	12 months salary as Engineer	500 00	
Hugh Belmore	17 cords wood, at $8	136 00	
Wm. Benson	Boating	174 00	
W. H. Thorne & Co.	Nails, spikes, plane, powder	11 15	
J. R. Cameron	Lantern and globes	3 15	
Wisdom & Fish	Pipes, gaskets, canvas, pipe and fittings	249 45	
Chas. F. Seely	Boarding painters, boiler makers, labourers and labour	407 63	
Estey, Allwood & Co.	Bitting	2 16	
Wm. Lewis & Son	Dies, blocks, fitting and repairing boiler	962 35	
Vaughan & Bros.	Boiler tubes	52 48	
Wm. Quinn	Transporting men and iron	30 00	
C. E. Harding & Son	Lumber	48 47	
"Sun" Publishing Co.	Advertising	9 60	
F. W. Wisdom	Rubber, hose, forge, packing and dies	69 45	
Troop & McLaughlin	475 ft rope	29 50	
G. Hevenor	Copper, stovepipe and labour	26 52	
			2,710 91
	Partridge Island.		
Jas. Wilson	12 months salary as Engineer $395 00		
Receiver-General	do superannuation tax 5 00		
		400 00	
W. H. Thorne & Co.	Nails, hinges, powder, rubber	95 25	
J. R. Cameron	Burners, chimneys and lamps	17 50	
Robt. Carson	Wood, freight and labour on coal	264 00	
S. G. Blizard	Lumber	178 87	
Thos. McGowan	Boarding carpenters and labourers	72 48	
Walter Lane	Carpenter work	199 50	
Henry King	Boating, carting and labour	910 65	
E. S. Hennigar	Mason work and labour	44 07	
Phillip & Gilbert Doody	24 days labour on drains	48 00	
Joggins Coal Mining Ass.	125 tons coal, at $1.95	243 75	
Estey, Allwood & Co.	Packing, gaskets, cleaners and bolts	18 12	
Jas Knox	7,500 galls. water	75 00	
Chas. E. Robinson	Hire of water tanks and barrels	7 70	
Allan Bros.	Repairs to boiler	988 64	
J. & J. Mitchell	Labour bill excavating pond	117 00	
John Mitchell	do do	165 75	
John Smith	Labour and furnace bars	94 01	
Wm. Lewis & Son	Drills, picks, wrenches	30 53	
Barbour & Staples	Painting and glazing	157 09	
Jas. Wilson	Boarding labourers	236 40	
Wisdom & Fish	Gauge glasses	1 50	
Wm. Longon	Picking up boat	2 00	
Phillip Doody	3 days labour	6 00	
John Woodley	Repairing boat	25 00	
E. D. Jewett & Co.	Towing wharf	10 00	
T. McAvity & Sons	Valves	12 00	
J. E. Ferris	Towing scows	15 00	
Tug "Nepture"	do	5 00	
John R. Smith	6 doz. baskets	21 60	
C. E. Harding & Sons	Lumber	76 67	
	Carried forward	4,539 08	69,290 36

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts
	Brought forward	4,539 08	67,290 36
	FOG-ALARMS—*Concluded.*		
	Partridge Island—Concluded.		
Magee Bros.	Weighing 53 tons, 19 cwt., 30 lbs. of coal.	3 15	
D. McDermott	Carting 172 loads of coal	103 20	
R. C. Elkin	Towing scows.	25 00	
F. W. Wisdom	Repairing whistle	4 00	
			4,674 43
	Point Lepreaux.		
Wm. A. Gallant	12 months salary as Engineer $ 444 36		
Receiver-General	do superannuation tax 5 64		
		450 00	
Causey & Maxwell	Brick, cement and building chimney	64 50	
W. N. DeWitt	Labour on dam and drain	154 50	
W. H. Thorne & Co.	Lead, hose, glass, rope, nails	91 23	
J. R. Cameron	Wicks and chimneys	2 10	
Causey & DeWitt.	Amount contract and extras	1,186 19	
J. & L. B. Knight.	Lumber and carriage	13 50	
Chas. Thompson	Cartage and labour	109 30	
Wm. Lewis & Son	Valves, couplings, bolts and labour	535 86	
Joggins Coal Mining Ass.	79 tons coal, at $1 95	154 05	
H. H. Mott	Inspecting building	181 58	
Vaughan & Bros	Iron chimney	10 87	
Estey, Allwood & Co	Hose, couplings, valves	171 65	
J. B. Hamm	Horse hire, 3 days	12 00	
Wm. Gallant	Boarding labourers and labour.	53 50	
Wisdom & Fish.	Pipe unions, nipples, tube cleaners.	122 19	
G. K. Hanson.	Contract coal shed and repairs.	206 49	
W. A. Gallant	Boarding painters and labourers	33 11	
Harris Allan	Taps and dies, pipe stocks, brushes.	16 47	
Geo. H. Thomas	Boarding men, freight and labour	51 84	
G. Hevenor.	Repairing whistle and labour	4 65	
W. F. Wisdom	Steam pump, $350; pipe and valves, $14.07.	364 07	
			3,989 68
	St. Martin's Head.		
Geo. Briggs	12 months salary as Engineer	500 00	
W. H. Thorne & Co.	Nails, baskets and tubs	18 65	
J. R. Cameron	Chimneys, lanterns and wicks	12 40	
Simon Tufts	Freight	22 75	
T. S. Simms & Co.	Brushes, brooms and pails	7 00	
M. A. Ferguson.	Carting supplies, lumber	25 40	
Joggins Coal Mining Ass.	60 tons coal, at $1.95	117 00	
Samuel Briggs	Carting 50 tons coal.	50 00	
Estey, Allwood & Co	Tongs and machinery oil	3 95	
G. Hevenor.	Oil tank, valves, drip pans, labour.	135 86	
D. L. Hutchinson	Clock	5 25	
Wm. Lewis & Son	Screw bolts and iron work	5 11	
Geo. Briggs	Boarding engineer.	8 00	
Harris Allan	Pipe, taps, dies, stocks, pump, valves	50 37	
Daniel Armstrong	4 cords wood	6 00	
Geo. Elston	Making 3 ladders	6 48	
			974 22
	Quaco.		
Wm. Lewis & Son	Steel wire, blocks and straps	77 35	
W. H. Thorne & Co.	Lead pipe.	9 67	
T. McAvity & Sons	Valves and cocks	5 36	
Chignecto "Post"	Advertising	3 00	
Douglas Stevens	Travelling expenses	7 98	
B. B. Brown	Freight for machinery.	40 50	
F. W. Wisdom	Pipe and fittings	23 04	
			166 90
	Carried forward		79,095 50

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc, in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		79,095 56
	SIGNAL GUN.		
	Gannet Rock.		
O. A. Kent	12 months allowance for services	100 00	
W. H. Thorne & Co	35 kegs powder, $122 50; gun fittings, $65.25	187 75	
Jas. Ingersoll	Freight on powder	3 60	
S. Hayward & Co	Powder	835 00	
L. V. Kent	Boating water	8 00	
H. E. Fraser	Freight on powder	12 00	
Macaulay Bros & Co	580 yards flannel	126 00	
Jas. Jordan	Freight on powder	20 00	
Wm. Benson	do $75; oakum, $8.40	83 40	
T. R. Jones & Co	200 yards flannel	50 00	
Troop & McLaughlin	Oakum	35 25	
			1,461 00
	INSPECTOR'S ACCOUNT.		
Jas. Mitchell	12 months salary as Inspector	1,176 00	
Receiver-General	do superannuation tax	24 00	
			1,200 00
	BUOYS AND BEACONS.		
	General Account.		
Wm. Lewis & Son	Granite rocks, chain and shackles	452 58	
John Y Payzant	Rent of lot and warehouse, to 1st May, 1887	50 00	
Philip Doody	Labour stocking anchors and repairing road	17 25	
Wm. Black	Coal tar and nails	5 90	
Editor "Evening Mail"	Advertising tenders	2 50	
Barbour & Staples	Painting spar and iron can buoys	38 88	
C. E. Harding & Son	Spar, buoys and labour	92 00	
C. F. Fraser	Advertising bell buoy	2 50	
"Sun" Publishing Co	do tenders, bell buoy	2 50	
			664 11
	Bell Buoy.		
Henry King	Boating, labour and tide work	82 60	
Wm. Lewis & Son	Chain, bolts, shackles and labour	335 69	
Richard Cline	Pilotage and lifting	15 00	
Vaughan & Bros	Chain	95 24	
Barbour & Staples	Painting	63 64	
C. E. Harding & Son	Lumber	16 86	
"Sun" Publishing Co	Advertising	12 00	
Wm. Quinn	Services as pilot and replacing	10 00	
Steam Tug "Lilly" and Owners	Towing buoys	25 00	
E. D. Jewett & Co	do	20 00	
			676 03
	Belleisle.		
John Ganong	Placing buoys		10 00
	Buctouche.		
Marion Girouard	Placing buoy	10 00	
Jas. Keswick	do painting and lifting	34 00	
Maxime Girouard	do buoys	10 00	
			54 00
	Carried forward		83,160 70

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		83,160 70
	BUOYS AND BEACONS—*Continued.*		
	Bathurst.		
E. D. Chase	Amount of contract placing buoys	135 00	
do	On account do lifting	67 50	
			202 50
	Beaver Harbour.		
Andrew Green	Picking up buoy	3 00	
Philip Hutton	Lifting buoy	5 00	
Wm. Ash & Co.	Rope and paint	2 50	
E. W. Cross	Eyebolts and chain	4 18	
Wm. Lewis	Chain and shackles	8 52	
			23 20
	Caraquet.		
Louis Pourier	Placing and lifting		130 00
	Cocagne.		
Camille Dupray	Placing and lifting	58 33	
Eustache Martin	Bushing channel	18 00	
			76 33
	Dalhousie.		
Andrew Elsligar	Amount of contract		100 00
	Dorchester.		
Wm. Lewis & Son	Chain and iron work	67 94	
John A. Palmer	Freight on buoys, placing and lifting	37 00	
Thos. Anderson	Iron work	4 00	
Mary McNeil	Picking up buoy	4 00	
W. H. Thorne & Co.	Chain	8 91	
E. C. Palmer	Painting buoy	8 36	
			130 21
	Grand Lake.		
Calvin H. Purdy	Pacing buoys	122 00	
A. Coakley	do and lifting	61 00	
M. Y. Cox	do painting	63 50	
G. A. Munroe	do lifting, staking channel	143 00	
E. D. Dykeman	Scow hire, paint and oil	7 38	
Wm. Lewis & Son	Bolts, links, chain and labour	23 27	
			420 15
	Grand Manan.		
John Dixons	Placing, painting and iron work	59 60	
Wm. Lewis & Son	Chain, shackles and granite rocks	52 85	
Wm. Benson	Freight, placing, lifting and repairing buoys	54 00	
			166 45
	Grand Anse.		
Théophile Landry	Lifting, painting and placing		25 00
	Carried forward		84,434 54

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		83,160 70
	BUOYS AND BEACONS—*Continued.*		
	Grindstone Island.		
Wm. Wood	Freight, placing buoys and cartage	26 00	
Barbour & Staples	Painting buoys	9 64	
Vaughan & Bros	3,461 lbs. chain, at 4½c, $155.75; cartage, 60c	156 35	
			191 99
	Head Harbour.		
John Boyd	Painting and placing buoys		52 00
	Harvey.		
H. E Graves	Picking up, $50.00; painting buoy, $83.80	133 80	
Barbour and Staples	Painting buoys	8 85	
Wm. Wood	Lifting, placing and freight	166 50	
Wm. Lewis & Son	Iron can buoy, $90.00; labour, $36.50	126 50	
			435 65
	Lepreaux (Automatic).		
Henry King	Boating, labour and tide work	74 70	
"Sun" Publishing Co.	Advertising	23 20	
Estey, Allwood & Co.	Boiled oil and paint	6 90	
Wm. Lewis & Son	Shackles, bridle, chain and labour	213 00	
Barbour & Staples	Painting	24 79	
Bart Rogers	Placing buoys	20 00	
Steam tug "Lilly" and owners	Towing	175 00	
			537 59
	Little Shemogue.		
Alex. Grant	Contract for placing and lifting		40 00
	Letete.		
Robt. Ross	Chain	36 88	
Alex. Rapley	Cleaning, painting and placing	205 00	
R. Byers	Iron for buoy	8 51	
Jos. Chambers	Cleaning, painting, placing and iron work	97 05	
Sydney Dines	Iron links and bolts	6 10	
Aaron Hooper	Scraping, painting and placing	22 50	
E. McNichol	8 days labour painting buoy	16 00	
Geo. Chubb	Lead, oil, rope, paint	21 49	
Jas. H. McLeod	Labour finding latitude and longitude	5 00	
			418 53
	Miramichi.		
Robt. J. Walls & Geo. Savoy	Placing and lifting buoys	430 00	
C. E. Fish	4 buoy stones	12 00	
Wm. Muirhead	Labour ironing buoys	71 35	
John Sadler	Rent of store and wharf	31 00	
Geo. Watt	Paint, oil and nails	23 48	
James Rae	2 buoy stones	20 00	
Robt. J. Walls	Repairing, painting and placing	140 75	
			728 58
	Neguac.		
Romain Savoy	Lifting and placing buoys		100 00
	Carried forward		86,938 88

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		86,938 88
	BUOYS AND BEACONS—*Continued.*		
	Pokemouche.		
Dosity Blanchard	Repairing chain	6 50	
Jules Boudreau	192 lbs. chain	9 60	
Gustave Robicheaux	1 day's work	1 00	
Olivier Robicheaux	Labour, scow hire and placing buoys	29 00	
Maxime Robicheaux	192 lbs chain	9 60	
Vitale Lozier	Balance account painting and placing	48 00	
			103 70
	Petit Rocher.		
Hilarion Roy	Painting, placing and lifting		19 50
	Pisarinco.		
Wm. Lewis & Son	Spars, chain, granite rocks and labour	51 09	
Jas. Dalzell	Placing buoy	6 00	
			57 09
	Campobello.		
Jos. Boyd	Placing buoys		45 00
	Port Elgin.		
Jared. S. Silliber	Placing and lifting buoys		25 00
	Reed's Point Lamps.		
St. John Gas Co	Bill for 12 months		80 00
	Dipper Harbour.		
Wm. Lewis & Son	Chain and shackles		21 85
	Quaco.		
Roland H. Brown	Boating and labour on bell buoy	33 00	
Wm. Lewis & Son	Blacksmith work, labour, repairing and scraping buoy	191 06	
J. B. Hamm	Horse hire	8 00	
Robt. Carson	Schooner hire and lifting buoy	35 00	
Wm. Black & Co.	1 bell 242 lbs., at 26c	67 22	
"Morning Herald" Printing Co	Advertising tenders	2 50	
Thos. E. Moran	Slippage on buoy	2 10	
Barbour & Staples	Painting	21 34	
			360 22
	Richibucto.		
James Lawson	Placing buoys from Brown's yard to Kingston Bridge	30 00	
Paul Legoof	Amount of contract	270 00	
Jas. A. Jardine	Paid James Lawson, Buoying River to Brown's yard	60 00	
			360 00
	Carried forward		88,011 24

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			88,011 24
	BUOYS AND BEACONS—*Continued.*			
	Shippegan.			
Wm. Lewis & Son	2 iron can buoys	$271 87		
do	Anchors	68 14		
			340 01	
Peter DeGrace	Balance of contract		60 00	
Barbour & Staples	Painting buoys		17 92	
Donald Harper	Placing 2 iron can buoys		27 86	
				445 79
	St. George.			
Geo. McVicar	New buoys, painting and placing		24 75	
Jas. O'Brien	Iron and iron bolts		8 10	
Wm. Lewis & Son	Blocks		19 75	
Angus McVicar	Lifting 13 buoys, Magaguadavic River		57 00	
Samuel Dick	Replacing buoys		10 50	
John Fisher	Lifting 4 buoys, Digedequash River		20 00	
Alex. Dick	Placing do do		20 00	
Alex. McVicar	do do		57 00	
				217 10
	Shediac.			
F. F. Sherand	Anchor stone		1 50	
Daniel McQueen	Placing top on buoy		1 50	
Docity P. White	Making, placing and lifting buoys		91 00	
C. C. Hamilton	Paint, oil and white lead		5 50	
Geo. McGuarity	Painting buoys		1 50	
				101 00
	St. John River.			
Parker Glasier	Amount of contract, 1886		300 00	
Morris Scovil	Placing buoy		8 50	
				308 50
	St. Stephen.			
Chas. Young	Lifting and replacing		51 50	
H. H. Reid	Chain and shackles		4 48	
Mark M. Young	Carting buoys		41 00	
				96 98
	St. Andrew's.			
John Quinn	Ironing buoy		5 44	
James Bell	Making, painting, lifting and placing		26 93	
				32 37
	Shemogue.			
Maxim DeGray	Amount of contract			40 00
	Split Rock.			
Vaughan & Bros	Chain		120 42	
Wm. Lewis & Son	Links, shackles and labour		52 00	
Barbour & Staples	Painting buoy		25 13	
C. P. Hamm	Taking care of buoy		25 00	
"Sun" Publishing Co.	Advertising		4 80	
				227 35
	Carried forward			89,480 33

STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

			$ cts.	$ cts
	Brought forward			89,480 33
	BUOYS AND BEACONS—*Continued.*			
	Tabusintac.			
Jonathan Palmer.	Amount of contract			55 00
	Tracadie.			
Vitale Arsexeaux.	Painting, placing and lifting			150 00
	Washademoak.			
G. W. Perry	Placing buoys and stakes		33 50	
D. McDonald	do and lifting buoys		11 00	
				44 50
	West Isles.			
Thos. K. Parker	New buoy, painting and placing		118 00	
Wm. Lewis & Son	Stone, chain, spars and labour.		53 80	
J. F. Leonard.	Freight on buoy		12 00	
				183 80
				89,913 6
Chance, Bros. & Co.	Apparatus and freight, £707 2s. 9d.			3,441 4
"Sun" Publishing Co.	Advertising for tenders for supplies for lights.			2 2
				93,357 2
Queen's Printer.	Printing, etc			62 1
				93,419 3
	Agent's Office.			
J. H. Harding	12 months salary as Agent	$1,764 00		
Receiver-General.	do superannuation tax	36 00		
			1,800 00	
F. J. Harding	12 months salary as Clerk	783 96		
Receiver-General.	do superannuation tax	16 00		
			799 96	
Jos. Millar.	12 months salary as Janitor	493 68		
Receiver General	do superannuation tax	6 28		
			499 96	
D. McAlpine	Directories		5 00	
S. J. King	Rent of P. O. Box for 1886-87.		4 00	
J. & A. McMillan	Pens and blotting paper.		20 34	
T. B. Hanington	Postage stamps		248 03	
Tippet, Burdett & Co.	Repairing stamp and ribbon		4 50	
Campbell & Ellis.	Rubber tubing		0 90	
Barnes & Co	Stationery		114 90	
D. L. Hutchinson.	Repairing bells and clock		9 65	
St. John Gas Co	Gas bill from May to 1st August, 1886		6 78	
Jos. Millar	Petty expenses		25 30	
Ellen Hughes.	Scrubbing offices and halls.		24 00	
A. C. Smith	Water rates to 1st May, 1886.		10 44	
W. H. Thorne & Co.	Fire irons, $2.85; hooks, $2.90		5 75	
Mrs. Robert Whetsel	Ice for season, 1886		4 00	
	Carried forward		3,583 51	93,419 3

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward	3,583 81	93,419 38
	BUOYS AND BEACONS—*Concluded.*		
	Agent's Office—Concluded.		
"Commercial News" Room	Subscription, 12 months	10 00	
A. Christie, W. W. Co.	Labour on window sashes	12 10	
J. & D. Howe	Paper cases, cabinet and copy holder	41 00	
"Sun" Publishing Co.	1 year's subscription to paper, to 31st Dec., 1887	6 67	
Jane Millar	Washing towels	5 00	
		3,658 28	
Queen's Printer	Printing, etc	63 70	
			3,721 98
			97,141 36
	Refund, amount paid in error in excess to Imperial Oil Co.		716 08
	Total		96,425 28

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 8

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights in Prince Edward Island, for the Fiscal Year ended 30th June, 1887.

	General Account.		$ cts.	$ cts.
Artemus Lord	11 months salary as Agent	$1,078 00		
do	do superannuation tax	22 00		
			1,100 00	
Henry W. Mutch	11 months salary as warehouseman, etc.		335 00	
A. Lord	Travelling expenses, stamps, cartage, etc.		552 57	
Donald McLeod	11 months cleaning offices		22 50	
G. H. Hazard	Ink and memo. book		1 05	
S. W. Crabbe	Stovepipe, etc., for office		2 42	
H. W. Mutch	Moving expenses change of office		5 00	
John Gaffney	Door plate for office		2 00	
Prichard & Andrews	Official seal		4 00	
S. W. Crabbe	Olive oil, wicks, burners, chimneys, etc		325 52	
McDougald, Logie & Co.	Paints and oils		330 46	
"Examiner" Pub. Co.	Advertising		1 10	
P. E. I. Railway	Freight charges		100 21	
A. A. Telegraph Co	Telegraphing		22 21	
SS. "Coban"	Freight on oil from Montreal		108 50	
Capt J. Hyde	Freight to Murray Harbour		3 89	
Imperial Oil Co.	Invoice 600 cases oil		1,209 43	
"Herald" Printing Co.	Advertising		3 25	
Milton Walsh	To pay wages, etc., building schooner		430 00	
The Telephone Co	Rent to 31st December, 1887, and messages		51 99	
J. Worth	Horse hire		8 00	
Charles Locke	Balance planking schooner "Prince Edward"		47 00	
G. C. Green	Ash and elm planks		26 18	
W. W. Clark	Freight		1 61	
Burrell Johnston Iron Co.	Galvanized iron windlass, etc		25 75	
C. B. McAlpine	2 directories		3 00	
Theo. J. Clarke	Pine plank		75 79	
Poole & Lewis	Pine decking		24 37	
Theo. L. Chappelle	Almanacs and express charges		2 35	
E. J. Hodgson	Rent warehouse to 31st December, 1886		70 00	
H. J. Crendale	Map of Prince Edward Island		2 00	
George Coombs	Rent oil store and wharfage		60 13	
Whiton Bros	Cotton duck, rope, etc.		104 91	
F. W. Hyndman	Insurance		6 00	
P. Clarken	Labour		2 80	
T. McAvity & Son	Deck spikes		3 25	
A. Kennedy & Co	Galvanized iron nails		9 90	
Peake Bros.	Glass, chain, nails, etc		81 77	
SS "Heather Belle"	Freight charges		3 72	
A. Hermour & Son	Measures		2 45	
H. W. Mutch	Labour paid moving stores		8 97	
R. T. Holman	Stone and gravel		15 00	
J. A. Ritchie	Freight charges		1 65	
T. H. Pope	Spruce lumber		5 00	
W. A. Brennan	Advertising		1 75	
SS. "Miramichi"	Freight charges		6 63	
Jas. Muirhead	Measuring fence and rent		17 00	
Carvell Bros	Freight charges		2 78	
W. Dillon	Making suit sails		29 82	
A. Duchemin	Block accounts		19 20	
Norton & Fennel	Nails		8 58	
Stairs, Son & Morrow	Cotton, bolts, rope		2 75	
John Coombs	Mounting charts		2 80	
	Carried forward		5,294 01	.....

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		5,294 01	
	GENERAL ACCOUNT—*Concluded.*			
D. Rogers	Nails, spikes, rope, etc		59 19	
E. W. Taylor	Time piece for office		5 00	
Steam Navigation Co.	Freight charges		1 40	
Jas King	Labor		6 11	
Robins' Livery Stables	Horse hire		3 00	
M. Walsh	Dory and tinware		25 73	
L. C. Barney	Plate glass		380 50	
				5,774 94
	LIGHTHOUSES.			
	Block House Point Light.			
A. McLaine	12 months salary as Light-keeper	$335 72		
do	do superannuation tax	4 28		
			340 00	
do	do fuel allowance		32 00	
do	Truckage stores and board carpenters		7 32	
W. Brehaunt	Plastering		6 00	
W. Stewart	Carpenter's repairs		18 00	
John Henry	Barrel lime		0 75	
Peake Bros	Rope, cotton, soap, towels, etc		36 25	
Militia and Defence Dept	Rent of site to 30th April, 1888		4 87	
S. W. Crabbe	Repairs, lamps, etc		3 15	
W. Dillon	Making signals and balls		20 20	
John Gaffney	Painting station (2 coats)		48 00	
				516 54
	Orwell Light.			
John McDonald	12 months salary as Keeper		80 00	
do	Painting station		8 00	
Peake Bros.	Soap, matches, cotton, &c		4 16	
				92 16
	Point Prim Light.			
Michael McLeod	12 months salary as Keeper	$296 24		
do	do superannuation tax	3 76		
			300 00	
do	do allowance for fuel		32 00	
Peake Bros	Soap, towels, matches, etc		17 43	
S. W. Crabbe	Repairs to lamp		0 75	
				350 18
	Wood Island Light.			
Jas. McMillan	6 months salary as Keeper	$123 44		
W. D. McMillan	6 do do	123 44		
Receiver-General	12 do superannuation tax	3 12		
			250 00	
Jas. McMillan	Allowance for fuel		32 00	
Peake Bros.	Soap, towels, matches, etc		14 28	
Neil McMillan	Freight stores		2 15	
				298 43
	Cape Bear Light.			
Thos. H. Munn	12 months salary as Keeper	$ 295 60		
do	do superannuation tax	4 40		
			300 00	
do	Coal, lumber, labour, etc		38 52	
Peake Bros. & Co.	Soap, towels, matches, etc.		20 62	
				359 14
	Carried forward			7,391 39

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			7,391 39
	LIGHTHOUSES—*Continued.*			
	Murray Harbour, Inner Light.			
Jas. Penny, sr.	12 months salary as Keeper		50 00	
Peake Bros.	Soap, cotton, matches, etc		7 64	
				57 64
	Murray Harbour, Outer Light.			
Abraham Daley	12 months salary as Keeper		50 00	
do	Repairs shingling tower		2 60	
Peake Bros	Soap, towels, matches, etc.		8 78	
				61 38
	Panmure Island Light.			
William McDonald	12 months salary as Keeper	$ 296 24		
do	do superannuation tax	3 76		
			300 00	
do	Allowance for fuel		32 00	
W. J. Fraser	For sledge lost at repairs, 1884.		3 00	
John Ball	Survey and plans of site		17 00	
Peake Bros.	Soap, towels, matches, etc.		15 48	
Jas. Bourke	Truckage		0 16	
				367 64
	St. Andrew's Point Light.			
Joseph Wightman	12 months salary as Keeper		100 00	
do	Allowance keeping winter light		25 00	
John Gaffney	1 pane plate glass		3 50	
M. Walsh	Repairs to lantern and gear		26 00	
J. Wightman, jr.	Truckage and labour		5 25	
Peake Bros.	Soap, towels, lock, nails, etc		8 94	
Jas. Bourke	Truckage, glass, etc., for repairs		4 78	
do	Iron work		1 00	
				174 47
	Inner Range, Georgetown.			
Roger Westaway	12 months salary as Keeper		50 00	
do	6 months increase salary to 30th June, 1887.		15 00	
M. Walsh	Repairs to lantern and gear		9 15	
Peake Bros	Soap, matches, etc		7 71	
				81 86
	Cardigan River Light.			
Angus Morrison	12 months salary as Keeper		100 00	
Jas. Bourke	Hand lantern		1 00	
Peake Bros.	Soap, matches, towels, etc		7 12	
				108 12
	Souris East Light.			
Angus McDonald	12 months salary as Keeper	$197 48		
do	do superannuation tax	2 52		
			200 00	
do	Coal, truckage, etc., $12 75; paid plasterer, $2.25.		15 00	
S. W. Crabbe	Paints, brushes, etc		3 00	
M. Walsh	Repairs circular burner		1 50	
Jas. Brennan	Painting station, 2 coats		45 00	
McDonald, McDonald & Co.	Oil, glass, etc.		4 41	
Matthew, McLean & Co.	Wall paper, etc		6 12	
Peake Bros	Soap, towels, etc		11 71	
				286 74
	Carried forward			8,529 24

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		8,529 24
	LIGHTHOUSES—*Continued.*		
	East Point Light and Fog-Alarm.		
A. R. Beaton	12 months salary as Keeper $588 00		
do	do superannuation tax 12 00		
		600 00	
do	To pay cartage and labour on coal	33 92	
do	Postage stamps	0 80	
McKinnon & McLean	Repairs to fog-alarm	11 26	
McDonald, McDonald & Co	Cask of oil and truckage	14 00	
John Coffin	Truckage on 50 cases oil	8 00	
B. Creamer	Building scow	40 00	
Intercolonial Coal Co	50 tons coal, at $2	100 00	
A Kennedy & Co	Freight on coal	65 00	
S W. Crabbe	Glass, rubber, etc., for alarm	7 90	
M. Walsh	Expenses and labour at repairs	24 40	
McDonald, McDonald & Co	Paid plasterer, cement work, repairs, etc	20 50	
A. Chevrier	Truckage from Souris	2 50	
A. D. McDonald	Lumber for repairs and labour	15 02	
Matthew, McLean & Co	Glass and putty	1 60	
Peake Bros	Soap, matches, towels, etc	36 93	
Norton & Fennel	Tape, dies and plyers	6 00	
			987 83
	St. Peter's Harbour Light.		
W. W. McGraith	12 months salary as Keeper	130 00	
do	Expenses moving range	11 00	
B. Trowsdale	8 cedar sills	13 60	
A. McDonald	Materials and labour at repairs	43 00	
Poole & Lewis	Pine lumber, etc	13 26	
Peake Bros	Soap, matches, etc	16 81	
			227 67
	Savage Harbor Light.		
Augustin McDonald	12 months salary as Keeper	100 00	
do	Expenses moving range	16 00	
S. W. Crabbe	Repairs to lantern	5 50	
E. W. Taylor	Time piece	2 25	
Peake Bros	Soap, cotton, matches, etc	19 47	
			143 22
	Grand Tracadie Lights.		
Michael Ready	12 months salary as Keeper	100 00	
do	Expenses, moving ranges (twice)	128 00	
do	Repairs to tower and truckage stores, etc	27 23	
Poole & Lewis	Lumber for repairs	16 75	
R. Palmer & Co	Door, window, frames, etc	8 00	
Peake Bros. & Co.	Soap, matches, etc., and hire of blocks	16 11	
			296 09
	Covehead, Inner Range.		
Ernest McMillan	12 months salary as Keeper	58 33	
Peake Bros	Soap, matches, etc	2 61	
			60 94
	Carried forward		10,244 99

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			10,244 99
	LIGHTHOUSES—*Continued.*			
	Covehead, Outer Range.			
Donald McMillan	12 months salary as Keeper		41 67	
Peake Bros	Rope, nails, &c		8 97	
				50 64
	South Rustico Lights.			
W. H. Ford	12 months salary as Keeper		100 00	
S. W. Crabbe	Repairs to lantern, etc		14 90	
Peake Bros. & Co.	Rope, nails, canvas, soap, etc		17 85	
W. Stewart	Carpenter, labour at hut for keeper		28 00	
W. McInnis	Truckage and labour		10 00	
H. Percy	Dory for keeper		15 00	
Poole & Lewis	Lumber for keeper's hut		21 24	
R. Palmer & Co	Planing lumber, etc		3 76	
				210 75
	North Rustico Lights.			
Thos. G. Pursey	12 months salary as Keeper		100 00	
do	Allowance for fuel		20 00	
do	Truckage, oil and stores from Charlottetown		5 00	
do	Labour and moving range, whiting, etc		12 23	
S. W. Crabbe	Repairs to lantern and lamps		4 09	
Peake Bros	Soap, cotton, matches, etc		9 99	
				151 31
	New London Lights.			
George McKenzie	12 months salary as Keeper		100 00	
Peake Bros	Soap, matches, etc		5 58	
				105 58
	Fish Island Lights.			
Angus J. McLellan	12 months salary as Keeper	$246 88		
do	do superannuation tax	3 12		
			250 00	
do	Allowance for fuel		32 00	
Edward Larkins	New sills under range lights		28 00	
Peake Bros	Soap, cotton, towels, etc		19 47	
M. Walsh	Repairs to lantern		14 00	
				343 47
	Little Channel Light.			
William Hardy	12 months salary as Keeper		100 00	
B. Trowsdale	8 cedar sills for range		12 80	
Peake Bros	Soap, matches, cotton, etc		9 66	
				122 46
	Sandy Island Lights.			
John McCabe	12 months salary as Keeper	$ 197 48		
do	do superannuation tax	2 52		
			200 00	
do	Fuel allowance		32 00	
do	Shingling and painting		5 25	
Peake Bros	Soap, cotton, matches, etc		16 82	
J. F. Weeks	Paper, shingles, nails, etc		8 99	
John Collins	Carpenter work at doors		6 00	
George Wells	Brush, stone and labour		150 00	
John McBeth	Repairs plaster, cement, etc		14 90	
				433 96
	Carried forward			11,663 16

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		11,663 16
	LIGHTHOUSES—*Continued.*		
	Alberton Range Lights.		
John Mountain	12 months salary as Keeper	80 00	
do	To pay for 10 gallons oil.	3 00	
Peake Bros.	Rope, duck, nails, soap, matches, etc.	16 10	
W. Stewart.	Carpenter work at alteration.	30 97	
Jas. Barclay	Spar	5 00	
J. H. Cunningham	Iron work	7 75	
G. Wells	Labour, board of carpenter, etc	30 25	
H. P. Woods	Iron work	3 50	
			176 57
	Tignish River Lights.		
Isidore Gaudette	12 months salary as Keeper	130 00	
do	Truckage, labour, etc.	21 99	
S. W. Crabbe.	Stove for light room.	6 00	
H. P. Woods	Iron work.	4 00	
M. Walsh.	New brass lantern for range, etc	31 56	
F. Gallant	Repairs and painting	27 50	
Peake Bros.	Soap, cotton, nails, etc.	19 60	
			240 65
	North Cape Light.		
Augustine Hackett	12 months salary as Keeper	300 00	
do	Allowance for fuel	32 00	
S. W. Crabbe.	Sheet copper	11 65	
H. P. Woods	Iron work	7 00	
M. Walsh	Set new brass lamps and ventilator vane	61 05	
A. Hackett	Truckage, board, labour, etc	8 25	
Peake Bros.	Nails, sheet lead, soap, etc.	47 42	
W. Stewart.	Carpenter work at windows, etc.	43 30	
Poole & Lewis	Lumber.	8 28	
R. Palmer & Co.	Planing lumber	0 46	
D. Rogers	Well wheel and rope	1 33	
			520 74
	West Point Light.		
William McDonald	12 months salary as Keeper $ 296 24		
do	do superannuation tax 3 76		
		300 00	
do	Fuel allowance	32 00	
do	Truckage stores, etc., from O'Leary station	12 00	
M. Walsh.	Repairs to lamps	12 80	
Edmond Ladner	Carpenter repairs	36 00	
John Auld	Lumber for repairs	28 62	
McKinnon & McLean	Repairs to gear	1 80	
Peake Bros.	Repairs, supplies, soap, matches, etc.	35 67	
			458 89
	Cape Egmont Light.		
Bruno Perry	12 months salary as Keeper	200 00	
do	Fuel, truckage, labour, etc.	17 05	
do	Allowance digging well	15 00	
M. Walsh.	Labour erecting lantern and repairs gear.	93 80	
Peake Bros.	Nails, rope, soap, matches, etc	15 66	
S. W. Crabbe.	Oil, varnish, etc	3 57	
D. Rogers	Chain, well wheel, glass, etc.	7 40	
			352 48
	Carried forward		13,412 49

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			13,412 49
	LIGHTHOUSES—*Continued.*			
	Indian Point Light.			
Jas. Walsh	12 months salary as Keeper	$ 345 60		
do	do superannuation tax	4 40		
			350 00	
do	Allowance for fuel		12 00	
M. Walsh	To pay balance labour, stone, brush, etc		162 04	
do	To pay repairs damage by gale		15 00	
H. P. Woods	Iron work		25 65	
Peake Bros	Soap, matches, cotton, cement, etc		38 63	
Albert A. Howatt	Painting station, 2 coats		30 00	
D. Rogers	Rope, nails, iron, etc		27 51	
Ellis Schurman	Lumber		10 38	
M. Matthieson	Repairs to keeper's boat, etc		10 00	
M. Walsh	To pay labour		5 00	
				686 21
	Summerside Wharf Light.			
Charles Donahue	12 months salary as Keeper		100 00	
Peake Bros	Soap, matches, cotton, etc		14 05	
				114 05
	Sea Cow Head Light.			
M. P. O'Ronaghan	12 months salary as Keeper	$ 246 88		
do	do superannuation tax	3 12		
			250 00	
do	Fuel allowance		32 00	
do	Truckage, lumber, etc		3 00	
M. Walsh	Labour and materials for repairs		9 71	
John Ball	Survey and plans of site		10 00	
Peake Bros	Soap, matches, cotton, etc		19 28	
Ellis Schurman	Posts, rails, boards, etc		23 77	
D. Rogers	Lock, nails, hinges, etc		6 90	
				354 66
	Crapaud Harbour Light.			
Percy H Palmer	12 months salary as Keeper		100 00	
Peake Bros	Soap, matches, cotton, etc		8 90	
				108 90
	Crapaud Inner Range Light.			
S. J. B. Leard	12 months salary as Keeper		60 00	
do	Repairs to light room		6 68	
S W. Crabbe	Glass, lamp and reflector		3 75	
Peake Bros	Glass, matches, soap, etc		11 50	
M. Walsh	New galvanized light gear		9 00	
				90 93
	St. Peter's Island Light.			
W. Hewson	12 months salary as Keeper	$197 48		
do	do superannuation tax	2 52		
			200 00	
do	Labour painting tower		16 50	
do	Truckage, coal and stores		6 00	
Peake Bros	Soap, matches, cotton, etc		8 15	
Chance Bros	Anchor light lens		116 07	
Charles Lyons	2¼ tons coal		5 89	
Peake Bros	Tar and iron work for boat		3 55	
				356 16
	Carried forward			15,123 40

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		15,123 40
	LIGHTHOUSES—*Concluded.*		
	Miminigash Range Lights.		
John Ball	Survey and plans, inner range	10 50	
S. W. Crabbe	Bolts and nuts	1 93	
D. Rogers	Hinges, glass, etc	3 06	
Peake Bros	Cotton, matches, soap, etc	12 66	
M. Walsh	New brass lantern and labor	31 25	
H. P. Woods	Iron work	5 75	
			68 15
	BUOYS AND BEACONS.		
Matthew Dunn	12 months contract, Summerside Buoys, to 12th April, 1887	125 00	
John McDonald	12 months contract, Orwell and Vernon River, to 30th June, 1887	53 00	
Jonathan McLeod	18 months contract, New London, to 30th June, 1887	120 00	
Albert Anderson	12 months contract, St. Peter's Bay, to 15th November, 1886	50 00	
Matthew Dunn	12 months contract, Bedeque Bay, to 1st November, 1886	28 00	
Thos. Montgomery	Staking cut to wharf, season 1886	4 00	
W. B. Howlett	12 months contract, Grand River (Lower), to 20th October, 1886	30 00	
Mrs. W. B. Howlett	Buoy service, Grand River (N. and L.), to 30th June, 1887	30 00	
Alex. McLallen	12 months contract, Egmont Bay, to 30th June, 1887	35 00	
Jas. E. Palmer	13 do Miminigash, to 12th May, 1887	50 00	
John E. McLean	18 do East River, to 22nd October, 1887	172 50	
Donald Campbell	Buoy service, season 1886-87, Tracadie	62 00	
Peake Bros	Chain, paint, oil, etc	9 55	
J. B. Clarke	12 months, Pinette, to 30th June, 1887	55 00	
Edward Larkins	Buoy service, in August, 1886, Malpèque	13 50	
Alex. Thomson	Buoy service, season 1886-87	109 04	
Peake Bros	New buoys and chain	78 07	
H. P. Woods	New buoy and iron work	32 00	
O. Connolly	1 puncheon and freight	3 41	
Alex. McGillivray	18 months contract, to 30th June, 1887, Upper Cardigan	45 00	
John McCormack	Buoy account, season 1886-87, East and West Souris	53 25	
Matthew McLean & Co.	Chain and rope	3 10	
George McKay	Buoy account, season, 1886-87, North Rustico	95 00	
McKinnon & McLean	Buoy weight do	6 30	
Peake Bros	Chain and iron work do	5 83	
W. T. Ellis	12 months contract, to 10th October, 1886, Port Hill	55 00	
Jas. McMillan	Buoy account, season 1886, Covehead	25 00	
Peake Bros	New buoy and chain do	31 46	
Charles McAdam	Buoy account, season 1886, Savage Harbor	27 00	
Peake Bros	Chain do	7 46	
George Wells	Buoy account, season, 1886-87, Cascumpec	257 50	
J. T. Weeks	Tar, oil, paint, etc. do	7 48	
J. H. Cunningham	Iron work do	15 61	
Peake Bros	Chain, tar, etc. do	21 42	
William McDonald	Buoy account, season 1886-87, West Point	35 00	
Peake Bros	Chain, etc. do	24 54	
William Hardy	Buoy account, season 1886-87, Little Channel	45 00	
H. P. Woods	New buoy and iron work	28 00	
Percy H. Palmer	12 months contract, to 31st December, 1886, Crapaud	58 00	
D. Brown	Buoy account, season 1886-87, Pownal Bay	50 80	
A. A. Moon	Allowance as harbor master do	10 00	
Peake Bros	Chain, paint, iron, &c. do	11 36	
	Carried forward	1,979 18	

STATEMENT of Expenditure in connection with the Maintenance of Lights in Prince Edward Island, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward	1,979 18	
	BUOYS AND BEACONS—*Concluded.*		
John E. McLean	6 months contract, to 30th April, 1887, Charlottetown	225 00	
do	Furnishing and placing winter buoy, Charlottetown	20 00	
David Small	Expenses about do do	4 45	
"Herald" Printing Co.	Advertising, buoy service do	1 00	
"Examiner" Publishing Co.	do do do	0 50	
John Haggart	Buoy account, season 1886-87, Georgetown	85 25	
Peake Bros	Chain and iron work do	32 98	
George Wearshuber	1 year's contract, to 31st December, 1886 (less $5), Montague	35 00	
Hugh Campbell	1 year's contract, to 31st December, 1886, Rollo Bay	30 00	
D. McDonald	Buoy account, season 1886, Lower Cardigan	45 00	
Edward McKay	1 year's contract, to 31st December, 1886, Murray Harbor	85 00	
John Reilly	1 year's contract, to 31st December, 1886, Baie Fortune	15 00	
Joseph F. Reeves	Buoy account, season, 1886, Beach Point	16 00	
Angus Gallant	do do South Rustico	27 00	
W. H. Bate	Lifting Point Prim Reef buoy, fall 1886	20 00	
			2,621 36
			17,812 91
Queen's Printer	Printing, etc		39 22
	Total		17,852 13

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 9

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights, British Columbia, for the Fiscal Year ending 30th June, 1887.

			$ cts.	$ cts.
	Agency Rents and Contingencies.			
H. G. Lewis	12 months salary as Agent	$1,567 92		
do	do superannuation tax	32 08		
			1,600 00	
do	Travelling and incidental expenses, postage, etc.		74 35	
W. S. Wiffen	191½ days assistance in office, at $3 per day		574 50	
W. Gregory	12 months salary as Janitor		120 00	
T. N. Hibben & Co.	Stamps, letter books, stationery, etc		69 54	
Smith & Clarke	Making 2 cases of pidgeon holes, etc		13 76	
J. Weiler	9 yards cocoa matting, laying, etc		10 70	
do	For office		0 87	
Telegraph and Signal Service	Telegraphic messages, to 30th June, 1886		10 70	
M. Miller	Printing and binding 1 M. checks		10 00	
Victoria "Standard"	1 year's subscription to daily paper		10 00	
"The Colonist"	Printing 1 M. linen letter heads		9 00	
R. T. Williams	Stamps (India rubber), etc		4 50	
Jacob Sehl	1 office stool		4 00	
Shears & Page	½ doz. towels		1 80	
Queen's Printer	Printing		33 53	
				2,547 25
	General Account.			
Standard Oil Co	2,450 galls. coal oil		596 00	
John Muir	11 days charter of scow "Katie," at $8		88 00	
R. Dunsmuir & Sons	16 tons of coal, at $4.50		72 00	
Hudson Bay Co.	1 bale gunny sacks		42 50	
E. B. Marvin	150 lbs. rope		27 00	
John Devereux	Extra labour coaling lighthouses		26 25	
Ontario, Richelieu and Navigation Co	Freight and wharfage on coal oil		20 00	
S. L. Kelly & Co	Second hand stove and pipe		16 75	
John Robertson	Eyebolts, steel key, etc		9 25	
P. McQuade & Sons	1 barrel lime		5 50	
Telegraph Service	Telegraph messages		9 00	
Victoria Gas Co	Tar		3 75	
Turner, Beeton & Co	Freight and charges on 20 cases coal oil		1 95	
Wm. Blake & Co	Bell and apparatus		70 69	
				988 64
	Lightouses.			
	Active or Plumper Pass Lighthouse.			
Henry Georgeson	15 months salary as Keeper		625 00	
R. Dunsmuir & Sons	2 tons coal, at $4.50		9 00	
E. B. Marvin	Paint, soap, soda, etc		7 72	
T. Sholbolt	Spirits of wine, sponge, glycerine		4 47	
T. N. Hibben & Co	Stamps, ink, pencils, etc		3 45	
				649 64
	Carried forward			4,185 53

STATEMENT of Expenditure in connection with the Maintenance of Lights in British Columbia, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			4,185 53
	LIGHTHOUSES—*Continued.*			
	Beren's Island Lighthouse.			
A. McKinnon	12 months salary as Keeper	$492 00		
do	do superannuation tax	8 00		
			500 00	
Smith & Clarke	Making and fitting stairway		8 55	
do	Labour and material, making bell stand		110 17	
Albion Iron Works	Making iron water tank		45 00	
P. McQuade & Sons	40 galls. coal oil, glass shades, etc		21 30	
R. Dunsmuir & Sons	4 tons of coal, at $4.50		18 00	
E. B Marvin	Cotton waste, buckets, white lead		15 45	
W. Bolton	Repairing boat		14 00	
A. & W. Wilson	Cleaning waste pipe and sink		10 00	
Canadian Pacific Navigation Co	Freight and charges on bell		9 91	
T. Shotbolt	Sweet oil, spirit of wine, etc		5 62	
Shears & Page	Linen, flannel, etc		5 33	
S. L. Kelly & Co	Zinc		4 75	
Lennox & Rossen	Sweeping chimneys		3 50	
Marvin & Tilton	1 pair lamp trimmers		1 00	
				772 58
	Cape Beale Lighthouse.			
Emanuel Cox	12 months salary as Keeper	$1,192 00		
do	do superannuation tax	8 00		
			1,200 00	
Smith & Clark	Labour and material on repairs		710 70	
E. B. Marvin	Paints, canvas, oil, oakum, nails, etc		239 71	
J. Devereux	Extra labour on repairs, 2 men 39 days each		117 00	
P. McQuade & Sons	660 feet wire rope		105 32	
Albion Iron Works Co	Making rail to go round lantern		86 54	
Emanuel Cox	Paid Indian carrying mail, 10 months, at $5		50 00	
John Weiler	Lamp chimneys		38 88	
T. Shotbolt	Spirits of wine, wash leathers, etc		26 50	
John Robertson	Iron plates, cover for chimney, etc		24 65	
R. Dunsmuir & Sons	5 tons coal, at $4.50		22 50	
T. N. Hibben & Co	Stamps, ink, log-book, stationery, etc		11 00	
Marvin & Tilton	Compression cock		5 87	
"Evening Post"	Advertisement *re* light		5 00	
"Colonist"	do		4 60	
"Times"	do		4 00	
"Standard"	do		3 80	
S. L. Kelly & Co	Repairing oil tank		5 00	
Shears & Page	Flannel, linen, etc		4 27	
A. & W. Wilson	Repairing lamp burners		1 50	
				2,666 84
	Discovery Island Lighthouse.			
George Brown	1 month (June, 1886) salary of Caretaker		45 00	
Richard Brien	12 months salary of Keeper		500 00	
J. P. Burgess	Building boat house		89 85	
Smith & Clarke	Making frame for winch, lumber, etc		20 00	
E. B. Marvin	Rope, soap, axe, paints, etc		18 63	
P. McQuade & Sons	Bolts, auger		15 22	
S. L. Kelly & Co	Oil tank with tap		10 00	
R. Dunsmuir & Sons	2 tons of coal, at $4.50		9 00	
D. S. Sears	Making and fitting boat sail		9 00	
T. Shotbolt	Spirits of wine, etc		5 12	
J. Cocker	2 days repairing boat ways		4 00	
	Carried forward		725 82	7,624 95

STATEMENT of Expenditure in connection with the Maintenance of Lights in British Columbia, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		725 82	7,624 95
	LIGHTHOUSES—*Concluded.*			
	Discovery Island Lighthouse—Concluded.			
Victoria Coal and Lumber Yard	320 feet rough lumber		3 84	
Marvin & Tilton	Mattock handles, etc		2 50	
T. N. Hibben & Co	Stamps, paper, etc		1 87	
Wilson Bros & Co	Casting 5 bars, screw bolts, etc.		1 50	
				735 53
	Entrance Island Lighthouse.			
Robert Gray	12 months salary as Keeper	$592 00		
do	do superannuation tax	8 00		
			600 00	
E. B. Marvin	3 tins rubber paint, 10 lbs. Am. rope, etc		5 55	
P. McQuade & Sons	50 galls. coal oil, soap, cement, etc.		24 80	
J. Gray	2 days labour stopping leak in tower		6 00	
R. Dunsmuir & Sons	7 tons coal, at $4.50.		31 50	
				667 85
	Fisgard Lighthouse.			
Joseph Dare	12 months salary as Keeper		500 00	
R. Dunsmuir & Sons	11 tons coal, at $4.50		49 50	
J. P. Burgess	Material and labor erecting out house.		34 07	
P. McQuade & Sons	Coal oil, paints, etc..		28 41	
E. B. Marvin	Paints, oil, rope, blocks, etc.		21 02	
T. Shotbolt	Spirits of wine		13 50	
Spring Vale Water Co	12 tons water		12 00	
J. Weiler	Lamp chimneys, wicks, etc.		8 50	
J. C. Smith	Sweeping 3 chimneys		3 00	
T N. Hibben & Co	Lett's diary, stamps, etc..		2 75	
Joseph Dare	Freight on stores by stage to Esquimalt.		2 25	
				675 00
	Point Atkinson Lighthouse.			
Walter Erwin	15 months salary as Keeper	$862 50		
do	do superannuation tax	12 50		
			875 00	
J. P. Burgess	Material and labour making boat house.		102 93	
J. J. Robinson	Boat and fixing		90 00	
E. B. Marvin	Paint, rope, oars, soap, leather, axes, etc.		44 68	
Wilson, Bros. & Co	Sheaves, etc , for revolving gear.		21 60	
A. J. Smith	Making winch frame for hauling up boat		21 47	
P. McQuade & Sons	Lime, white lead, oil, paints, etc		15 15	
do	40 galls coal oil, at 37½c..		15 00	
W. Erwin	1 case coal oil and labour excavating for boat house		10 00	
R. Dunsmuir & Sons	2 tons coal, at $4 50		9 00	
D. S. Sears	Making boat sail, etc		9 00	
T. Shotbolt	Spirits of wine, sperm oil, etc.		8 40	
C. P. N. Co	Passage of 2 carpenters		6 00	
Smith & Clark	Making mosquito bar frame		5 11	
J. Robertson & Co	Link rings and 2½in. rods		3 00	
T. N. Hibben & Co	Stamps, stationery, etc.		2 00	
Shears & Page	Cleaning cloths..		1 62	
				1,239 96
	Race Rocks Lighthouse.			
Thomas Argyle	12 months salary as Keeper	$1,488 00		
do	do superannuation tax	12 00		
			1,500 00	
	Carried forward		1,500 00	10,943 29

STATEMENT of Expenditure in connection with the Maintenance of Lights in British Columbia, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward	1,500 00	10,943 29
	LIGHTHOUSES—*Concluded.*		
	Race Rocks Lighthouse—Concluded.		
Robert Lettice	Repairing and painting outside of tower	349 50	
Henry Georgeson	300 galls dog fish oil, at 40 cts	120 00	
E. B. Marvin	Paint, oil, lime, etc	59 75	
P. McQuade & Sons	Paint, oil	18 92	
J. F. Jagers	Charter str. "Saturna" to fetch 3 men	15 00	
T. Shotbolt	Spirits of wine, sweet oil, etc	10 12	
John Robertson	Cross bars, winch, etc	8 50	
T. N. Hibben & Co	Stamps, diary, ink, etc	6 49	
Canadian Pacific Navigation Co	Freight and wharfage	6 01	
J. Weiler	1 doz lamp chimneys and wicks	4 12	
Shears & Page	Calico	3 20	
			2,101 61
	Sand Heads Lighthouse.		
R. Douglas	7 months salary as Keeper	583 33	
A. Castleton	11 days do	30 58	
W. P. Daykin	Salary from 11th November, 1886, to 31st March, 1887	389 74	
P. McQuade & Sons	50 galls. coal oil, barometer, paints, nails, etc	46 15	
Hy. Georgeson	112 galls. dog fish oil, at 40 cts	44 80	
R. Dunsmuir & Sons	9 tons coal, at $4.50	40 50	
E. B. Marvin	Soap, cleaning powder, 20 lbs. cotton waste, scrub brushes, etc	18 20	
S. L. Kelly & Co	Covers for stove, zinc, stovepipe, kettle, etc	15 74	
Shears & Page	Linen, scrub flannel, holland, etc	8 62	
Canadian Pacific Navigation Co	Freight and wharfage on 1 box lamp chimneys and 5 cases coal oil	3 88	
T. Shotbolt	1 gall. turpentine spirits of wine, etc	3 87	
T. N. Hibben & Co	Stamps, log book, ink, etc	3 00	
W. A. Lange	1 pair blue specks	1 50	
John Weiler	Lamp chimneys and wicks	1 12	
Smith & Clarke	1 piece of oak	0 50	
			1,191 53
	FOG-ALARM.		
	Race Rocks.		
R. Dunsmuir & Sons	45 tons coal, at $4.50	202 50	
Albion Iron Works Co	New injector, fixing, etc	131 57	
do	Repairing boiler, etc	77 00	
Str. "Saturna"	3 trips with boiler makers	45 00	
A. & W. Wilson	Altering and fitting pipes, etc	42 82	
W. Godfrey	Labour, etc., repairing boiler	32 50	
E. B. Marvin	Machine oil, 50 feet India rubber hose, etc	28 53	
P. McQuade & Sons	6 gauge glasses, latch-bolts, etc	6 97	
			566 89
	BUOYS AND BEACONS.		
	Fraser River Buoys.		
G. W. Gilley	Piles and labour driving them, etc. on North Arm	113 05	
E. B. Marvin	Paint, shackles, chain, etc	93 38	
R. Dunsmuir & Sons	"Samson" 20¼ tons of coal, at $2.75	55 69	
Albion Iron Works Co	Repairing buoy	35 00	
J. Robertson	do	30 75	
Marvin & Tilton	Norway iron, etc	15 31	
			343 18
	Carried forward		15,146 50

STATEMENT of Expenditure in connection with the Maintenance of Lights, in British Columbia, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		15,146 50
	BUOYS AND BEACONS—*Concluded.*		
	Island Channels.		
W. B. Bolton	Material and labour on Burnaby Reef buoy	72 55	
Wm. Godfrey	Making band, swivel, etc., for do	32 00	
M. Oren	Making spar buoy for do	29 00	
W. F. Keefer	Towing from Hastings to Coal Harbour for reef buoy	15 00	
P. McQuade & Sons	Felt, sheets of lead, etc., for reef buoy	13 00	
Hudson Bay Co.	70½ lbs. yellow metal for do	11 98	
E. B. Marvin	Nails, lead, etc., for do	10 80	
Charles Braden	2 men securing do	10 00	
W. B. Bolton	Material and labour on Enterprise Reef beacon	17 00	
Marvin & Tilton	10 bars of iron for do	90 13	
J. Robertson	Forging, drills, etc. do	81 79	
W. P. Sayword	898 ft. planking do	10 78	
E. B. Marvin	Nails, cross cut saw, etc., for Sydney Island and spit beacon	9 50	
J. Devereux	3 Indians (extra labour) erecting Sydney Island and spit beacon	16 87	
Victoria Gas Co.	30 galls. coal tar for Sydney Island and spit beacon.	3 75	
A. J. Smith	Spars and lumber for Fero Rock and Sydney Island and spit beacon	80 00	
John Devereux	1 Indian (extra labour) erecting Fero Rock beacon.	6 25	
Marvin & Tilton	3 bars of iron for Fero Rock beacon	3 85	
M. Oren	Making wooden can buoy, 9 x 45, Kelp Reef buoy	25 00	
W. P. Sayword	1,200 ft. spruce for Kelp Reef buoy	14 40	
Smith & Clark	Spars and lumber as per contract Fiddle Reef beacon	50 36	
J. Devereux	Extra labour erecting Fiddle Reef beacon	17 50	
J. Amlot	Painting Brotchies Ledge buoy	10 00	
J. Robertson	Iron flagstaff for Brotchies Ledge buoy	6 12	
E. B. Marvin	Shackles, chain, red paint, etc	20 41	
"The Colonist"	Advertising for tenders for can buoy, Gabriola Reefs	2 00	
P. McQuade & Sons	Lime, paints, oil, etc	33 50	
Hastings Saw Mill Co.	1 spar 10 x 35	5 00	
			698 54
	Nanaimo Harbour Buoys.		
E. B. Marvin	Anchors, shackles, chain, paints, oil, etc	96 20	
M. Oren	Making new buoy and pyramid	89 00	
F. Rowbotham	Making buoy	75 00	
do	3 days hire of scow and 3 men	25 50	
J. Fletcher	3 new wooden buoys for Departure Bay	61 12	
Marvin & Tilton	10 bars of iron	8 97	
W. Thompson	3 M. galls. of water supplied to "Samson"	7 00	
S. Clifford	Cleaning and scrapeing buoy	3 00	
J. Robertson	7⅞ links for chain	2 80	
			368 59
	Victoria and Esquimalt Harbour Buoys.		
A. J. Smith	Putting cage on buoy	6 75	
P. McQuade & Sons	Paints, oil, etc	8 85	
			15 60
Queen's Printer	Printing, etc		1 20
			16,230 43

5—9½

STATEMENT of Expenditure in connection with Maintenance of Lights—*Con.*

RECAPITULATION.

		$ cts.	$ cts.
Maintenance of lights	above Montreal	75,690 74	
do	between Quebec and Montreal	16,735 49	
do	below Quebec	131,318 59	
do	Nova Scotia	117,808 53	
do	New Brunswick	96,425 28	
do	Prince Edward Island	17,852 13	
do	British Columbia	16,230 43	
do	Cape Race	4,453 25	
			476,514 44

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 10

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Construction of Lights and Fog-Whistles, etc., for Fiscal Year ended 30th June, 1887.

			$ cts.	$ cts.
	ABOVE MONTREAL.			
	GENERAL ACCOUNT.			
W. G. Lampey	365 days service as draughtsman, at $2		730 00	
do	Extra time, 700 hours, at 25c		175 00	
Wm. Mence	12 days assisting in office, at $2.50		30 00	
W. P. Anderson	Travelling expenses		145 63	
D. A. McLaughlin	Blue prints		11 50	
Neptune Fog-Horn Co	For royalty on fog alarms		4,800 00	
W. H. Noble	Travelling expenses		100 80	
Steam Gauge & Lantern Co	Signal lamps		443 95	
G. J. Wilson	In full of all claims *re* Colchester Reef		1,200 00	
O. Olmstead	Balance of contract, North Channel lights		113 28	
J. Quesnell	do		10 50	
J. Richards	do		259 59	
R. Porter	do		59 59	
A. Bison	do		22 50	
J. Driver	do		52 38	
W. H. Plummer	do		77 87	
Jos. Bell	do		33 38	
S. Walker	do		57 87	
Geo. Markes & Co	do		51 75	
Davidson Bros	do		72 00	
Estate late T. Anderson	do		62 51	
N. & W. Dyment	do		44 30	
Thos. Lyons	do		84 11	
F. Ferry	do		30 00	
D. A. McDonald	do		79 72	
M. Maclennan & Co.	do		8 04	
R. Brownlee	do		25 51	
G. Sayre	do		8 50	
F. Fisher	do		37 14	
				8,827 42
	Cariboo.			
J. George & D. Currie	Balance of contract	$3,551 25		
do	Extras do	17 50		
			3,568 75	
do	Freight and storage on apparatus		14 00	
Woodside Bros	Bolts, rubber, etc		77 97	
George Vicary	Board while inspecting		87 00	
Carrier, Laine & Co.	Machinery for fog-alarm		61 00	
Canadian Pacific Steamship Co	Conveyance W. H. Noble		10 00	
W. Johnstone	Pipe, tongs, etc		34 16	
				3,852 88
	Fort William Range.			
James McCool	Amount contract and extras		460 00	
W. H. Noble	Travelling expenses		6 50	
				466 50
	Carried forward			13,146 80

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		13,146 80
	ABOVE MONTREAL—*Continued.*		
	Niagara Fog Bell.		
Wm. Murray	Teaming machinery	2 60	
W. A. Milloy	Freight	9 90	
James Doritty	Amount of contract	198 50	
			211 00
	Nipissing (South River).		
D. M. S. White	Amount of contract	675 00	
L. C. Barney	Plate glass	25 93	
Muskoka Nipissing Nav. Co	Freight do	4 92	
			705 85
	Thornbury.		
Carroll & Pedwell	In full for contract		150 00
	Thunder Cape.		
J. George & D. Currie	Amount contract and extras	2,416 50	
Woodside Bros	Bolts, rubber, etc	81 81	
			2,498 31
	Rainy River.		
W. Oliver	Balance in full contract and extras		311 03
	Spanish River.		
W. B. Arnold	Amount contract and 2 extra piers		801 65
	Victoria Island (Lake Superior).		
E. Chanteloup	Lantern and apparatus	502 94	
W. P. Anderson	Inspecting	55 62	
			558 56
	BELOW QUEBEC.		18,383 20
	GENERAL ACCOUNT.		
Neptune Fog-Horn Co	1 fog-horn		1,260 00
	NOVA SCOTIA.		
	Beaver Harbour.		
"Evening Mail"	Advertising for tenders	2 60	
"Critic" Publishing Co.	do	2 60	
J. F. Anderson	Surveying land	38 00	
			43 20
	Carey's Beach.		
"Advocate" Publishing Co	Advertising for tenders	2 40	
C. L. Campbell	Making mast and shed	120 00	
			122 40
	Carried forward		165 60

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward			165 60
	NOVA SCOTIA—*Concluded.*			
	Cape Sharp.			
Thomas O'Neil	Amount of contract		1,600 00	
Simeon Jenks	Inspecting		48 00	
				1,648 00
	Cranberry Head, F. A.			
Campbell & Ruddorham	Balance of contract		1,800 00	
James McDonald	Superintending erection of building		143 95	
Wallace Graham	Consideration money for 3 acres of land		150 00	
"Morning Herald"	Advertising for tenders		2 70	
"Advocate" Publishing Co	do		2 16	
North Sydney "Herald"	do		2 70	
				2,101 51
	Ingonish.			
F. C. Cunningham	Building light and oil store		748 00	
E. Chanteloup	Lantern and apparatus		380 29	
L. C. Barney	Plate glass		34 75	
Chance Bros. & Co	Lighting apparatus		113 76	
Wallace Graham	Legal services		53 27	
"Advocate" Publishing Co	Advertising for tenders		2 08	
North Sydney "Herald"	do		2 60	
				1,334 75
	Sam's Point.			
Wallace Graham	Legal services			41 93
	Windsor.			
Wallace Graham	Legal services			39 10
				5,330 89
	NEW BRUNSWICK.			
	Big Duck Island.			
G. S. Mayes	Balance of contract	$1,570 00		
do	Cost of dam, road, etc	521 70		
do	Extra on contract for boat house, in full of all claims	100 00		
			2,191 70	
Thos. Redmond	Inspecting		118 50	
L. Daggett	Purchase of land		262 69	
L. R. Harrison	Legal services *re* purchase of land		236 45	
				2,809 34
	Little Shippegan Lights.			
George Ingram	Amount of contract		410 00	
A. K. McDougall	Surveying sites		66 50	
L. R. Harrison	Legal services		77 05	
A. Reeves & Co.	Boat hire		7 00	
A. Boyd	Measuring and sounding channel		4 00	
"World" Printing Office	Advertising for tenders		2 70	
"Union Advocate"	do		2 70	
"Maritime" Publishing Co	do		2 70	
"Sun" Publishing Co	do		2 70	
				575 35
	Carried forward			3,384 69

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—*Concluded.*

		$ cts.	$ cts.
	Brought forward		3,384 69
	NEW BRUNSWICK—*Concluded.*		
	Quaco.		
"Messenger and Visitor"	Advertising for tenders	3 00	
"Religious Intelligencer"	do	1 80	
St. Croix "Courrier"	do	3 00	
"Trade Reporter"	do	3 00	
Moncton "Times"	do	3 00	
T. B Carson	On account contract	700 00	
Wm. Vaughan	Building reservoir, opening roads, etc	176 66	
Truro Foundry Co	Fog-horn and apparatus	1,005 58	
			1,896 04
	PRINCE EDWARD ISLAND.		5,280 73
	Miminigash Range.		
A. Lord	Paid for building range lights		384 60
	BRITISH COLUMBIA.		
	Plumper's Pass.		
A. J. Dixon	Superintending erection of light		300 00
	Saturna Island.		
Victoria "Standard"	Advertising for tenders	2 80	
do "Colonist"	do	2 80	
"Times" Printing and Publishing Co	do	2 80	
"British Columbian"	do	2 80	
"Inland Sentinel"	do	2 24	
Vancouver "Herald"	do	2 80	
"Daily Evening Post"	do	2 80	
Nanaimo "Free Press"	do	2 80	
			21 84
			321 84

RECAPITULATION.

Construction of Lights	above Montreal	18,383 20	
do	below Quebec	1,260 00	
do	Nova Scotia	5,330 89	
do	New Brunswick	5,280 73	
do	Prince Edward Island	384 60	
do	British Columbia	321 84	
			30,961 26
Queen's Printer, printing, etc			29 58
			30,990 84

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 11

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Dominion Steamers, for the Fiscal Year ended 30th June, 1887.

	"SS. Napoleon III."	$ cts	$ cts.
E. Larochelle	12 months salary as Captain	1,000 00	
do	Pay list, wages of crew	5,129 07	
L. Bolduc	Allowance	175 00	
J. B. Côté	Fresh pork, sausage and ham	324 97	
C. Cyprien	Preserved meats	10 20	
T. Delany	Fresh meats	849 78	
E. Larochelle	Board	60 00	
do	Paid for provisions	71 21	
D. Langlois	Milk	97 98	
F. Laflamme	Bread	230 40	
J. McCorkill	Biscuits	126 40	
L. Marois	Vegetables, smoked fish, etc	572 20	
J. Morin	Provisions	93 86	
Noonan & Davies	do	107 75	
P. Plamondon	Fish	124 85	
Renaud et Cie	Flour, fish, etc	118 00	
J. Shea & Bros	Salt beef, ham, butter, etc	826 16	
J. Smith	Fresh meats	134 50	
A. J. Turcotte	Groceries	572 88	
J. McWilliams	Potatoes	11 45	
Meagher & Doherty	Provisions	134 24	
T. Mennel	Olive oil	13 00	
T. Hethrington	Biscuits	6 31	
J. Rolph	Board	60 00	
G. R. Renfrew & Co	Caps	30 35	
W. Lee	Suits	28 00	
E. Chanteloup	Buttons	27 00	
Dolan & Co	Gold lace and badges	34 55	
F. Descroiselle	Watching	84 00	
E. Lavoie	do and labour	108 00	
Wm. Minnville	do	31 00	
J. Rolph	Outfit to engines	555 55	
J. Turner	do	23 00	
T. Routier	Top mast, repairing deck, new house	139 98	
J. Prud'homme	Carting shaft	36 50	
E. Mathurin	Repairs, scraping, clearing snow, taking out coal, storing material and painting	819 35	
Bisset Bros	Castings	202 47	
P. Jobin	Carpenters repairs	38 00	
L. Guerard	Repairing pillows	9 00	
C. Vézina	Iron repairs	151 05	
G. T. Phillips	Brass and coppersmith repairs	390 49	
J. F. Dobbin	Repairing clock	13 25	
F. Gunn	$865\frac{11}{20}$ tons coal, at $3.35	2,899 60	
do	$608\frac{11}{20}$ do at $3	1,825 66	
Intercolonial Coal Co	367 do at $2	734 00	
Noonan & Davies	$183\frac{1640}{2000}$ do at $2.50	459 38	
N. Gamache	Coaling	6 00	
J. Tanguay	do	8 00	
J. Eden	Landing coal	20 50	
E. Mathurin	Paid labour coaling	9 00	
Noonan & Davies	Freight on 133 tons coal, at $1.50	199 50	
W. Brow	do 125 do at $1.50	187 50	
G. T. Annett	do 109 do at $1.50	163 50	
J. Eden	Rent of coal yard	200 00	
	Carried forward	20,314 39	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Co*

		$ cts.	$ c
	Brought forward	20,314 39	
	SS. "Napoleon III."—Concluded.		
H. Dinning & Co.	Towage	1,000 00	
J. Gaudle	do	15 00	
P. Rouillard	Washing	105 00	
Dr. Smillie	Professional services	5 20	
M. Fitzhenry	Washing	6 75	
J. Marmen	Cartage	53 85	
J. Rolph	Freight and ferriage	9 16	
A. Crotean	Labour loading	6 75	
Queen's Wharf	Rent	200 00	
W. C. Scott	Freight	5 05	
L. A. Blanchet	Petty expenses	232 95	
T. Berrigan	Carting snow	40 00	
E. Mathurin	Ferriage	1 30	
Audet & Robitaille	Rope, canvas, etc	103 65	
Beaudet & Chinic	Iron, paint and brushes	433 67	
Henry Black	Castings	13 45	
J. Bédard	Lamps, tinware, etc	270 10	
R. Blakiston	Boat sails, hammocks, etc	276 35	
Widow H. Barbour	Flag	12 00	
Carrier, Laine & Co.	Shaft	2,640 82	
J. H. Clint	Lumber	31 33	
M. Couturier	Soap	11 70	
M. Dunn	Soap and tallow	128 44	
J. B. Dutil	Oars	30 00	
B. Derouin	Sheaves	21 60	
Dawson & Co	Charts	5 65	
C. Dionne	80 galls. seal oil, at 80c	64 00	
J. Dawe	Compass	12 00	
Alex. Fraser	Coffee	3 50	
M. Colton	Gin block and fender	10 00	
F. Gunn	Rope, canvas, etc	255 16	
E. Giroux	Medicines	7 15	
J. Hamel et Frère	Towels, pillow slips, etc	17 48	
John Lynch	Blocks	10 00	
Geo. T. Phillips	Brass and coppersmith's repairs	120 36	
Richardson & Co.	Leather	4 72	
S. J. Shaw & Co.	Hardware	318 22	
J. Sullivan	Davits, tank, etc	250 80	
A. J. Turcotte	134 13/100 galls. olive oil, at $1.10	137 01	
M. Tierney	Maple logs	41 25	
L. Villeneuve	Potash	8 00	
A. E. Vallerand	Chimneys and burners	4 00	
J. E. Walsh	Thermometer	4 00	
			27,241
	Steamer "Druid."		
L. R. Demers	12 months salary as Captain	804 18	
do	Pay list, wages of crew	3,380 80	
do	Board	59 25	
S. Carroll	do	50 00	
T. Routier	Pay list, blacksmith and carpenters repairs	2,136 56	
Hy. Hicks	Outfit and repairs	592 90	
S. Carroll	do	258 56	
Hy. Dinning	Boiler and repairs	3,758 84	
Bisset Bros	Condenser and repairs	5,613 89	
do	Castings	427 61	
G. T. Phillips	Brass and coppersmith repairs	964 35	
H. Black	Castings	252 29	
T. Ryan	Repairs	64 00	
J. F. Dobbin	Repairing clocks	4 75	
J. Blais	Labour	4 00	
A. McCallum	Adjusting compasses	4 50	
	Carried forward	18,376 48	

TATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		$ cts.	$ cts.
	Brought forward	18,376 48	
	Steamer "Druid"—Continued.		
arrier, Laine & Co	Shaft and bushes	209 29	
Burns	Jack screws	5 00	
Desprès	Fixing engines	13 50	
Vézina	Water tanks	140 46	
Villeneuve	Potash	8 00	
H. Gore	Cementing	21 62	
Fortin	Outfit	104 83	
Neil	Shearing and punching plates	42 00	
Leclerc	Boiler plates	40 20	
Vinson	Cementing tanks	12 25	
Dinning & Co	Use of shop, cutting ice, etc	83 30	
B. Côté	Pork, ham and sausage	28 74	
Delany	Fresh meats	66 24	
Doran	do	78 58	
Langlois	Milk	27 48	
Laflamme	Bread	27 84	
Larrivee	Milk and eggs	4 38	
J. McCorkell	Biscuits	9 60	
Marois	Vegetables	144 35	
Plamondon et Frère	Fish	22 95	
naud et Cie	Flour and fish	11 50	
J. Turcotte	Groceries	123 15	
een's Wharf	Rent	200 00	
. Dinning & Co	Wintering	300 00	
Rouillard	Washing	82 50	
Marmen	Cartage	171 70	
McCann	do	5 90	
Berrigan	do	3 10	
Brisson	Scrubbing	2 40	
Ryan	Coaling and loading	33 60	
Berrigan	Carting snow	40 00	
Samson	Cartage	10 00	
"Montreal"	Freight on pipes	2 32	
and Trunk Railway	do	2 06	
Groleau	Pilotage	67 50	
A. Blanchet	Petty expenses	83 63	
Couturier	Watching	50 00	
Desprès	Outfit	9 00	
Chabot	Watching	77 50	
Raper	do	49 00	
Couturier	Labour	22 50	
Gaudle	Towage	10 00	
lan & Co	Gold lace and badges	34 55	
McLaren	Coaling	8 00	
idet & Robitaille	Flag, rope, etc	48 70	
audet & Chinic	Iron, steel plates, hardware, etc	865 05	
Bédard	Tinware	45 90	
Blakiston	Winch cover	33 97	
Beaulieu	Copper pipe	41 60	
. Black	Sheaves	3 00	
H. Clint	Lumber	56 02	
Couturier	Soap	11 70	
Dunn	do and tallow	53 17	
Dionne	70 galls. seal oil, at 80 cts	56 00	
Fortin	Mattresses	50 00	
Guerard	Pillows	28 00	
Glassford	Gauge, glasses and tubes	325 50	
Gunn	Rope, canvas, etc	173 31	
gnon et Frère	Copper pipes	45 18	
Hamel et Frère	Pillow slips	1 34	
o. Lynch	Blocks	10 00	
P. Pouliot	Boat	65 00	
tterson & Co	Condenser tubes	173 35	
L. Richardson	Leather	4 06	
	Carried forward	22,957 85	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—Co

		$ cts.	$
	Brought forward	22,957 85	
	Steamer "Druid"—Concluded.		
J. & W. Reid	Iron	125 36	
S. J. Shaw & Co	Packing	133 79	
J. Sullivan	Windlass	300 00	
M. Tardif & Co	Spars	1 50	
A. J. Turcotte	$126\frac{88}{100}$ galls. olive oil, at $1.10 ..... $ 139 02		
do	Cartage 0 60		
		139 62	
A. E. Valleran	Lamps, dishes, etc	57 15	
G. M. Webster & Co	Cement and bricks	30 84	
M. Walsh	Thermometers	8 00	
			23,754
	"Lansdowne."		
Chas T. Dakin	Pay list of officers and crew	5,317 73	
do	On account contingencies, labour, etc	166 50	
Symonds & Co	Labour on propeller	56 00	
Chas. W. Ives	Trimming 410 tons coal	82 54	
Intercolonial Coal Mining Co	410 tons coal	820 00	
G. A. Barker	Dryers, soap and waste	178 03	
Noonan & Davies	Lard, oil and pilotage	49 20	
Edward Bennett	2 cork fenders	10 00	
John Munroe	Groceries	90 52	
W. H. Pope	Beef, milk and provisions	133 08	
Vaughan & Bros	Rope	44 20	
Samuel Tufts	Groceries	432 51	
W. H. Walker	Contingent account	9 05	
Albert D. Wilson	Discharging coal	121 75	
Jas. Knox	Water	16 85	
Thos. S. Doane	Pilotage into Yarmouth	14 00	
W. C. Godsoe & Co	Beef and provisions	768 29	
P. J. McEvoy	Beef and pork	204 94	
J. O. Stackhouse	Labour on donkey boiler and carpenter work	245 03	
John Woodley	Repairing surf boats	6 00	
Geo. Robertson & Co	Groceries	298 51	
S. & M. Ungar	Washing	23 43	
Wm. Black	Rope, oil, spikes, shovels, packing	168 80	
Harris Allan	Castings, labour and side lights	96 16	
John Ross	Labour and wrenches	22 00	
W. H. Quinn	Dockage and lumber	240 65	
W. H. Thorne & Co	Paint, oakum, lead, spikes, chain	383 44	
Wm. Lewis & Son	Blacksmith work, flanges, labour and repairs	398 09	
Guy Bevan & Co	Towing steamer	7 00	
Barbour & Staples	Glazing	2 40	
Mary Jane Strane	Washing blankets and clothes	21 30	
E. S. Hennigar	Mason work	6 25	
James E. Morris	2 months board	40 00	
Intercolonial Railway	Wharfage	43 20	
D. McLaughlin & Sons	Labour	2 50	
T. McAvity & Sons	Pump, $162.25, and valves, $5.85	168 10	
Wm. M. Smith	Specification for steam winch	10 00	
J. R. Glendinning	Ice	4 00	
Wisdom & Fish	Tube cleaners, and bolts	4 98	
John White	Galvanized iron, pipe and labour	9 50	
Williams Bros	31,900 galls. water	127 60	
G. Hevenor	Copper work and valves	301 33	
Phillip Doody	$4\frac{1}{2}$ days labour	6 75	
Geo. Roley	Repairing boats	10 00	
Hutchings & Co	Mattresses and towels	10 55	
T. B. Barker & Sons	Paint, boiled oil and varnish	67 11	
John Ruddock	Repairs	602 25	
D. L. Hutchinson	Repairing clocks	4 00	
Tapley Bros	Towing	13 00	
	Carried forward	11,859 12	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con*

		$ cts.	$ cts.
	Brought forward	11,859 12	
	"Lansdowne"—Concluded.		
J. Wilkins	Painting and labour	154 48	
eamer "Storm King"	Transporting	8 00	
kin & Hatfield	do	16 00	
adley Bros	Repairing blocks	61 48	
R. Cameron	Oil and lanterns	30 50	
Clementson & Co	Crockeryware	6 25	
aniel McDermott	Carting and storing 122 tons coal	73 20	
ity Corporation	Slippage and wharfage	126 10	
iwin Clark	16 days labour	12 26	
W. Wisdom	Condenser tubes, brooms and files	59 42	
W. Johnston	Freight on winch	32 21	
nos. E. Moran	Slippage on boats	3 00	
nos. Dixon	Labour on winch	3 00	
. G. Robertson	Freight do	17 01	
enry King	Boating	4 00	
J. Lamson	Beef and provisions	99 63	
roop & McLaughlin	Blocks and rope	70 30	
D. Logan	Groceries	135 63	
eo. Flemming & Son	Fitting donkey boiler	214 41	
ank Covert	Wages to 22nd June	14 00	
O. Stackhouse	Carpentry and caulking	325 23	
eorge Fleming & Sons	1 donkey boiler	720 00	
hn Black & Co.	Diagonal steam winch, £60	292 00	
			14,337 23
	Steamer "Newfield."		
illiam Whiston	Beef	799 77	
ed. Meyer	Vegetables	380 85	
eagher & Doherty	do	275 10	
Simmonds	Lining ice house, tinware	90 61	
Hogan & Sons	Boards, plank, timber	251 98	
ch. Beazley	Fresh fish	71 71	
Montgomerie	Bread	118 16	
eo. E. Smith & Co	Paint, oil, rope, etc	465 03	
H. Cogswell	Rating chronometer	6 00	
do	Clock for engine room	10 00	
& W. Mackinlay	Stationery	16 13	
rns & Murray	Toweling, cotton	17 00	
J. Lordly	Groceries	1,286 56	
eakston & Angwin	Olive oil, chandlery, etc	653 67	
ebucto Marine Ry. Co.	Slip hire	874 31	
cdonald & Co	Machinists supplies and repairs	1,415 84	
. A. J. Cowie	Medical attendance	5 00	
fred Vail	Provisions	75 33	
J. Hamilton & Sons	Bread	7 50	
las Townsend	Anchor	83 47	
W. Peppett	Provisions	62 68	
aria O'Brien	Washing	67 73	
tercolonial Coal Mining Co	324 tons coal, at $2.80	907 20	
mes Knox	Water	34 50	
nry Carr	Repairing boiler	24 05	
Titus & Son	Provisions	68 45	
Mumford & Sons	Anchor stock	36 64	
o. Robertson & Co	Provisions	75 52	
hn D. Townend	Wheel	40 40	
monds & Co	Fire brick, clay	8 90	
do	Repairing cooking range	47 00	
do	Crank shaft	1,010 00	
do	Repairs to hull and machinery	2,858 66	
do	Repairing cable gear	77 80	
do	do deck work	590 83	
C. Godsoe & Co.	Provisions	480 28	
	Carried forward	11,294 66	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Co*

		$ cts.	$
	Brought forward	12,294 66	
	"Newfield"—Concluded.		
S. M. Ungar	Washing	14 71	
Emerson & Fisher	Boiler for stove	3 15	
Wm. Lewis & Son	Iron work	6 15	
A. J. Aarestroup	Electric gong and bell	80 00	
John Findlay	Repairing boats	22 50	
P. W. McNaughton	Trimming coal	29 54	
G. A. Hemlow	Provisions	36 20	
Thomas Ead	Coaling	158 62	
Edw. Bennett	Cork fenders	10 00	
J. P. Mott & Co.	Soap and soda	12 10	
Clayton & Sons	Uniforms, shirts	103 50	
D. S. Johns	Fitting electric gong	4 96	
John Patterson	Grate bars	62 01	
Dominion Paint Co	Composition paint	179 00	
Maurice Downey	Painting	241 65	
C. E. Creighton & Co	83·48 galls. oil, at 25 cts	20 90	
do	42·17 do 24 cts	10 08	
W. McFatridge	Purchase blocks	35 00	
Gordon & Keith	Repairing wheel	32 00	
Archibald & Co	Pitch	3 25	
R. A. Guildford	Disbursements	53 22	
Dr. D. M. Wickwire	Medical attendance	7 50	
J. R. Glendinning	Ice	26 00	
John White	Tinware repairs	7 00	
T. Forhan & Co	Sky light covers	16 43	
Caleb Atkins	Labour on board	12 50	
W. & A. Moir	Repairs, iron work	139 85	
Hudson Bay Express	Provisions	115 50	
Intercolonial Express	Freight, machinery	2 75	
Michael O'Brien	Carpenters work and lapping new decks	3,032 53	
do	Replacing davits, rails, cable gear	188 85	
S. Cunard & Co	Freight, steam winch	17 08	
W. L. Lowell & Co	Injector valves	151 88	
Starr Manufacturing Co.	Deck, bolts and nuts	17 93	
Barry & Evans	Machinists, supplies and repairs	417 77	
Arch. Warner	Ferriages	9 90	
J. E. Butler	Oars	98 90	
F. D. Corbett & Co.	45 tons coal, at $3.25	146 25	
Int'colonial Railway Co.	Freight, machinery	17 15	
William Williams	Caulking	8 10	
Officers and crew	Wages	9,915 26	
John Black & Co.	Steam winch	292 00	
			29,054
	"Alert."		
Wm. Whiston	Provisions	77 28	
Pilot Commissioners	Pilotage	9 00	
Fred Meyer	Provisions	11 82	
E. J. Lordby	do	6 30	
R. A. Guildford	Paid for labour cleaning ship	43 93	
Noonan & Davies	Disbursements	292 90	
T. McAvity & Sons	Propeller blades	80 30	
Maria O'Brien	Washing	3 70	
G. E. Smith & Co.	spring, steel	1 08	
W. & A. Moir	Machinists, supplies and repairs	128 49	
J. D. Nichols	Labour repairing boilers and machinery	430 90	
Macdonald & Co	Machinists, supplies and repairs	42 30	
Thomas Ead	Discharging ballast	67 50	
J. Hogan & Sons	Cement	2 15	
Mich. Corbett	Scraping and graving	103 64	
F. Mumford & Sons	Propeller shaft	395 00	
Officers and crew	Wages	1,536 48	
Capt. J. J. Barry	Paid 3rd officer	11 60	
	Carried forward	3,244 77	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		$ cts.	$ cts.
	Brought forward	3,244 77	
	"*Alert*"—Concluded.		
D. Smith	Pilotage	35 00	
John Lowrie	Water	4 44	
T. Lowrie	Pilotage	15 00	
D. Stewart	Groceries	28 99	
Noonan & Davies	Expenses, crew to Halifax	66 06	
Peake Bros & Co.	Salt	0 56	
Blake Bros	Meat, vegetables	72 70	
			3,467 12
	Steamer "Northern Light."		
Captain A. Finlayson	12 months salary as Captain	717 00	
do	do wages of crew	4,651 65	
W. H. Davis & Sons	Castings and machine labour	287 05	
"Herald" Printing Co.	Printing and advertising	13 50	
Nova Scotia Forge Co.	Steel crank pins.	40 00	
Steam Navigation Co.	Freight and passages	9 79	
J. Leitch	Rug	5 00	
McKinnon & McLean	Repairs boilers, etc	527 19	
Intercolonial Coal Co.	56 tons steam coal, at $2	663 31	
do	239·14 tons do $2.30		
McDonald, McDonald & Co	Rent, freight and expenses at Souris	128 77	
A. Kennedy & Co	Freight on coal to Souris	42 80	
S. W. Crabbe	Oil, waste, rubber packing, etc	956 74	
Bruno Doucette	Ladders	4 00	
T. McAvity & Sons	Zinc, castings, etc	51 68	
John Wise	Labour caulking	70 25	
James Purcell	do	50 50	
Peter McCary	Labour	22 00	
Vacuum Oil Co	5 gallons oil	4 35	
Charles Owen	Rent coal shed at Georgetown	75 00	
Carvell Bros	Freight	0 54	
Perkins & Sterns	Oil cloth, carpet, etc	72 06	
Edward Wise	Caulking	12 00	
John Gaffney	Painting lettering and guilding	100 00	
John Fraser	New iron wheel barrows and repairs	38 90	
D. Sullivan	Making molasses cask, etc	3 95	
G. E. Smith & Co	Manilla hauling lines	99 24	
Daniel Stewart	Provisions and groceries	1,293 10	
D. McLeod	Pilotage Sydney, towing "Moselle"	14 00	
Capt. A. Finlayson	To pay wages towage do	80 50	
do	do Summerside	49 00	
John Lowrie	Water account	6 48	
Michael McCarthy	do	5 10	
Matthew Dunn	Pilotage and expenses towage Summerside	38 05	
P. E. I. Railway	Lumber	3 00	
McNeil & Coleman	Blacksmith work at Sydney	13 01	
J. McKinnon	Labour	1 00	
Fanny Monteith	Washing	3 45	
J. Turner	Board chief engineer McMillan	122 00	
Ellen Coyle	Washing	10 70	
J. J. Davis	Board Capt. Finlayson	51 00	
Noonan & Davies	Disbursements at Pictou	184 48	
D. Small	Second hand sail	20 00	
Stanley Bros	Blankets, sheets, towels, etc	152 66	
Jas. Prencher	Building bridges in boilers	2 00	
Anglo American Telegraph Co	Telegraphing	3 54	
W. H. Mutch	Fees, shipping crews	12 50	
Jas. King	Labour	5 00	
George Davidson.	Earthen and glass ware	49 36	
C. D. Rankin	Medicines and drugs	34 19	
D. O'M. Redden, jun	Disinfectants	3 00	
	Carried forward	10,804 39	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		$ cts.	$ cts
	Brought forward	10,804 39	
	Steamer "Northern Light"—Concluded.		
W. H. Batt	Mooring ship at railwaw wharf	5 00	
L. Dixon	Milk account	6 40	
Acadia Coal Co.	265¼ tons coal, at $2.40	636 60	
A. P. Hobbs	Meat and milk	340 57	
Peake Bros.	Carpenter, labour and materials for repairs	609 67	
J. Newson	Mattresses, labour, etc	112 49	
Jas. Bourke	Provisions and groceries	693 06	
G. T. Hazard	Stationery for purser and captain	4 59	
Blake Bros	Meat and vegetables	451 00	
A. Hermons & Son	repairs new key	1 00	
R. R. Jenkins	Bread account	23 58	
W. Dillon	Repairs life buoys and cover for boats	42 54	
Matthew, McLean & Co	Provisions and groceries	186 26	
Daniel Hemphill	Attending lines	8 50	
"Examiner" Pub. Co.	Printing and advertising	4 30	
S. A. Foster	Return charges on O. Connelly's tea	13 17	
Arch. Finlayson	Wages as pilot for March, 1887	50 00	
J. J. Murchison	do mate do	41 70	
J. Smith	do 2nd mate do	25 00	
D. D. Ryan	do Purser do	37 50	
P. McLellan	do waiter do	16 70	
P. A. Hughes	do do do	10 00	
J. Creed	do galley boy for March, 1887	8 35	
			14,132 3
	Steamer "Neptune."		
D. Smith	Pilotage	15 00	
M. McCarthy	Water account	4 60	
F. W. Hyndman	Telegraphing about insurance	6 75	
J. J. Barry	Expenses, St. John's Newfoundland	30 50	
do	1½ months wages as master, to 15th March, 1887	120 00	
Eliza McKinnon	Cleaning cabins, $4.40; milk account, $2.04	6 44	
S. W. Crabbe	Oil, waste, packing, etc	291 73	
Ellen Coyle	Washing	10 00	
J. J. Barry	Pay list of crew, December, 1886	547 33	
do	do January, 1887	963 78	
Parker & Sons	Boiler fluid compound	39 15	
Poole & Lewis	Lumber	18 45	
R. Palmer & Co	Labour, carpenter	32 65	
Noonan & Davis	100 tons Albion Mines coal, at $2.25		
do	197 tons Acadia do at $2.50	785 16	
do	Pilotage, $31		
do	Disbursements at Pictou	171 64	
Stanley Bros	Blankets, sheets, etc	156 45	
Telegraph Co	Telegraphing	11 21	
Henry W. Mutch	Shipping fees	3 50	
Intercolonial Coal Co	12 tons coal, at $2.30	27 60	
Myrick & Co	Fish	1 10	
D. O'M. Redden, jun	Drugs and medecines	20 79	
Daniel Stewart	Provisions and groceries	105 75	
G. Davidson	do	588 01	
C. Brydges	Labour	2 34	
A. Kennedy & Co	Brass lamp	1 50	
J. Dickieson	Milk account	3 80	
G. J. Hamilton	Bread account	3 45	
Acadia Coal Co	72 tons, at $2.40, and 22 tons, at $2.50	227 80	
Peake Bros	Labour and supplies	294 67	
J. Newson	Mattresses and labour	109 19	
Jas. Bourke	Provisions and groceries	270 96	
H. P. Hobbs	Meat and milk	225 29	
G. H. Hazard	Stationery for purser	5 55	
J. Carroll	Thermometer	1 50	
Blake Bros	Meat and vegetables	349 19	
	Carried forward	16,352 83	

STATEMENT of Expenditure on account of Dominion Steamers, etc—*Con.*

		$ cts.	$ cts.
	Brought forward	16,352 83	
	Steamer "Neptune"—Concluded.		
P. Smith	Labour	10 17	
J. Manley	do	2 83	
F. Keenan	do	1 70	
Thos. Trainor	do	8 67	
Peter McCrudden	do and expenses from St. Johns	31 00	
W. H. Lockhead	do	15 00	
R. R. Jenkins	Bread account	31 93	
"Herald" Printing Co.	Advertising	2 65	
J. McNeil	Wages as acting 3rd engineer	39 00	
P. E. I. Railway	Freight	0 62	
J. Jennings	Balance wages	2 00	
Alex. McLean	do and expenses from Halifax	22 56	
Job Bros	Provisions	1,067 53	
do	Charter of vessel	12,129 45	
A. R. Gordon	Travelling expenses	91 85	
			18,909 78
	"Sir James Douglas."		
John Devereux	12 months salary as Captain	1,399 92	
do	do pay of crew	4,701 03	
do	Labour on repairs	196 00	
do	Subsistance money, 86 days each, Captain and Engineer, at $1 per day	172 00	
do	Fresh fish, etc., from Indians	29 47	
do	Labour	12 00	
L. Goodacre	Beef, pork, etc	1,207 56	
J. Gosnell	Groceries	959 58	
A. J. Rowbotham & Co.	do and milk	494 90	
R. Dunsmuir & Sons	273½ tons coal, at $4.50	1,230 74	
E. B. Marvin	Paint, rope, ship chandlery	337 64	
P. McQuade & Sons	Forge, rubber, ensign, ship chandlery	231 32	
Albion Iron works Co.	Repairing boiler and tubes	246 87	
John Robertson	Iron work for derrick, davits, etc	106 24	
do	Chain, punches, hammers, iron stanchions, etc	28 51	
Gordon, F. Grant	Gratuity for extra work	100 00	
Marine Department for Foley & Co	3 suits of clothes for officers	95 00	
J. J. Robinson	Making derrick	68 75	
do	Labour and material repairing boat	18 50	
E. Quesnell	Meat, etc, supplied at Nanaimo	47 24	
M. R. Smith	Bread	43 32	
J. J. Wilson	do	17 01	
Ching Gee (Chinaman)	Washing	38 67	
Victoria Water Co	12 months supply of water	36 00	
Wilson Bros & Co	12 zinc plates, 16 furnace bars, etc	32 75	
A. & W. Wilson	Making 3 lamps, repairing galley stove, etc	29 75	
S. L. Kelly & Co	Forecastle stove, pipe, copper boiler and ventilator	23 00	
George Vienna	Fish, fruit, etc	18 12	
Marvin & Tilton	Knives, meat cutter, wire cloth, files, etc	16 12	
W. B. Townsend	1 lamb and 69 lbs. meat, at New Westminster	13 62	
Muirhead & Mann	160 ft. eastern oak, 25 plugs, etc	12 62	
T. N. Hibben & Co	Stationery, drawing instruments, tracing paper, etc.	12 37	
T. Carrington	China, cutlery, saucepans, etc	10 62	
Canadian Pacific Navigation Co	Freight on stores to "Douglas" while in Fraser River	10 28	
J. Weiler	7 yards cocoa matting and repairing chairs	7 75	
W. P. Sayward	362 ft. cedar and spruce	7 35	
A. J. Smith	Putting rail on gangway	6 41	
O. Hagen	Altering dress coat of engineer's uniform	6 00	
Shears & Page	2 doz. towels	6 00	
T. Sholbolt	Assortment of medicines	4 87	
Chas. Redfern	Repairing clock	2 00	
W. A. Lange	do	1 50	
			12,039 40

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

RECAPITULATION.

S.S. "Napoleon III"	27,241 81	
"Druid"	23,754 11	
		50,995 92
"Lansdowne"		14,337 23
"Newfield"		29,054 33
"Alert"		3,467 12
"Northern Light"		14,132 37
"Sir James Douglas"		12,039 40
"Neptune"		18,909 78
		142,936 15
REFUNDS.		
J. U. Gregory, proceeds of coal sold	281 40	
H. G. Lewis, payments for provisions supplied Indian Reserve	105 00	
do do Indian Reserve Commissioners	1,090 33	
do proceeds condemned shaft	35 00	
		1,511 73
		141,424 42

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 12

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Examination of Masters and Mates, for Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts.
Capt. P. A. Scott	12 months salary as Chairman of Board. $1,960 00		
do	do superannuation tax 40 00	2,000 00	
do	Travelling expenses	427 23	
do	Investigating charges of misconduct against Capt. Wyman, S.S. "Mary E. Chapman"	19 35	
A. J. Wolff	Fees, $96.00; rent of room, $25.00	121 00	
S. P. LeBlanc	do 16.00; do 15.00	31 00	
J. Pritchard	do	192 00	
Wm. Thomas	do	192 00	
H. Lewis	do	172 00	
W. C. Seaton	do $240.00; travelling expenses, $336.91	576 91	
Thos. Killam	do	172 00	
David Hunter	do	88 00	
T. F. Taylor	do $82.73; travelling expenses, $5.64	88 37	
S. J. Brookman	do	36 00	
Wm. McIlwain	do $80.00: rent of room, $5.38	85 38	
G. A. Mackenzie	do	16 00	
"The Star"	Advertising notices to mariners	4 20	
"Gazette" Printing Co.	do do	1 80	
"La Minerve"	do do	1 80	
News and Eastern Township "Advocate"	do do	1 80	
"Le Monde"	do do	1 80	
"L'Etendard"	do do	1 80	
T. C. Allan & Co.	"Shipping Gazette," 1887	2 00	
George Matson	Travelling expenses	66 00	
B. A. Bank Note Co.	Printing certificates	54 00	
John Burgoyne	do blanks	111 50	
Creighton & Marshall	Stationery	31 23	
Geo. E. Morton	Binding, postage stamps	11 00	
T. Harbottle	Postage stamps	10 50	
Eakins & Co	9 months rent	30 00	
			4,546 67
Queen's Printer	Printing, etc		309 31
	Total		4,855 98

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

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APPENDIX No. 13

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Hudson's Bay Expedition, for Fiscal Year ended 30th June, 1887.

			$ cts.	$ cts.
Lieut. A. R. Gordon	Salary as Commander of Expedition from 1st June, 1886, to 10th May, 1887	$1,320 98		
do	Bonus	600 00		
			1,920 98	
F. F. Payne	Salary as Observer, May and June	$ 100 00		
do	Balance of salary, 1885-86	259 66		
do	Bonus	25 00		
			384 66	
Wm. Skynner	Salary as Observer, 1st August to 31st May, 1887	$ 425 00		
do	Bonus	25 00		
			450 00	
Percy Woodworth	Balance salary as Observer		110 00	
J. R. Spencer	Allowance for having performed C. R. Tuttle's duties at Fort Churchill, for 1885-6 and 1886-7.		240 00	
J. W. Tyrrell	Balance salary as Observer		299 94	
G. A. Shaw	do		521 24	
J. McKenzie	do		778 09	
Johnson & Phillips	Sounding wire, £1.13.3		8 09	
C. W. Coleman	Repairs to chronometer		45 00	
Noonan & Davies	Watchman's fees, pilotage, provisions, etc		303 18	
Dominion Express Co.	Freight on box		6 35	
Rolph, Smith & Co	Profile paper		10 00	
S. Cunard & Co.	Recoating sounding tubes		93 63	
Alexander & Cable	Lithographing illustrations		14 72	
				5,185 88
	Expedition No. 2.			
J. P. Gooley	Balance of salary		328 00	
Wm. Mills	do		326 25	
F. Paul	do		352 50	
D. Creelman	do		427 30	
T. Mercier	do		535 25	
J. Mercier	do		542 50	
A. R. Bissett	do		519 50	
John P. Bowditch	do		571 50	
A. C. Boutlier	do		537 25	
M. Fleming	do		538 50	
Charles Neal	Expressage, freight, cartage, etc		77 46	
Thos. Ead	Labour and material		20 50	
H. Hesslein & Sons	Board of officers and staff		14 50	
A. R. Gordon	On account disbursements		320 00	
				5,111 01
	Steamer "Alert."			
A. R. Gordon	Pay list, wages crew		3,429 68	
Dr. W. N. Wickwire	Certificates for seamen		5 00	
George E. Smith & Co	Ship chandlery		442 21	
Naval Storekeeper	Repairing launch and 400 tons coal		2,137 10	
R. H. Cogswell	Hire of chronometer		57 35	
Pilot Commissioners	Inward pilotage		14 00	
H. W. Johnstone	Travelling expenses		12 70	
L. A. Greeves	Harness cask, repairs, etc		10 05	
				6,108 09
				16,404 98
	REFUNDS.			
H. W. Johnstone	Proceeds sale of surplus stores, return of overcharge on nails, etc		1,634 81	
A. R. Gordon	Balance of advance undisposed of		7 56	
				1,642 37
				14,762 61

F. GOURDEAU,
Accountant.

WM. SMITH,
Deputy Minister of Marine.

APPENDIX No. 14

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Investigations into Wrecks and Casualties, for Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts.
James Barber	Reporting wrecks, 80 at $2, St. John	160 00	
Edward O'Brien	do 11 at 2, Windsor	22 00	
J. C. Bourinot	do 19 at 2, Port Hawkesbury	38 00	
D. Ferguson	do 30 at 2, Miramichi	60 00	
A. G. Hamilton	do 21 at 2, Kingston	42 00	
R. Benoit	do 4 at 2, Arichat	8 00	
H. W. Dimock	do 16 at 2, Windsor	32 00	
W. H. Moody	do 25 at 2, Yarmouth	50 00	
D. Urquhart	do 1 at 2, St. Peter's	2 00	
D. McDonald	do 12 at 2, Pictou	24 00	
E. Larochelle	Enquiring into loss, SS. "Brooklyn"	10 00	
J. Bain	do do	10 00	
J. G. Bruneau	Stenographic notes *re* do	25 00	
Capt. P. A. Scott	Examining into abandonment of the "Louise M. Fuller"	11 00	
do	Disbursements in *re* "Otter"	21 14	
			515 14
Queen's Printer	Printing		14 00
	Total		529 14

WM. SMITH.
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 15

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Meteorological Service for the Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts.
	SALARIES.		
	Central Office.		
C. Carpmael	12 months allowance for house rent	400 00	
H. V. Payne	12 do salary as Inspector	900 00	
R. F. Stupart	12 do do do	900 00	
B. C. Webber	12 do do do	900 00	
R. F. Smyth	12 do do Assistant	650 00	
James Young	12 do do do	760 00	
Thos. Menzies	To 12th May do do	234 87	
W. A. Stewart	12 months do do	500 00	
W. F. Davison	12 do do do	470 00	
J. W. Carroll	12 do do do	399 99	
E. Davis	12 do do do	243 50	
F. Napier Denison	12 do do do	270 00	
W. J. Hetherington	10½ do do do	142 50	
A. D. C. Grant	6½ do do do	99 00	
F. F. Payne	8 do do do	400 00	
H. A. Macdonell	6½ do do do	91 00	
A. S. Macdonald	9½ do do do	115 60	
Ross. McA. Cameron	8½ do do do	125 00	
H. F. Gillespie	2½ do do do	27 00	
D. M. Murray	2 do do do	40 00	
			7,668 46
	Chief Stations.		
Quebec	W. A. Ashe, $854; assistance, $96	950 00	
do	Thos. Heatley, 12 months salary	120 00	
St. John N. B.	Geo. Hutchinson, 12 months salary $ 980 00		
do	do superannuation tax 15 00	995 00	
do	J. Drake, 12 months salary	600 00	
do	D. S. Hutchinson, 12 months salary	50 00	
Halifax	Augustus Allison, $400; assistance, $340	740 00	
Sydney	Thos. C. Hill, 500; do 220	720 00	
Fredericton	Thos. Harrison, 340; do 260	600 00	
Montreal	C. H. McLeod, 300; do 500	800 00	
Woodstock	N. Wolverton, 240; do 160	400 00	
Winnipeg	Bursar St. John's College, 12 months salary	800 00	
Regina	Officer commanding N.-W. M. P., 12 months salary	120 00	
			6,895 00
	Telegraph Stations.		
Yarmouth	E. Murphy, $300; assistance, $100	400 00	
Bird Rocks	T. Turbide, 120; do 30	150 00	
Grand Manan	H. C. Seeley, 120; do 30	150 00	
Chatham, N. B.	G. A. Blair, 150; do 66	429 33	
do	E. E. Blair, 150; do 63 33		
Anticosti	Grace Pope, 120; do 60	180 00	
Father Point	J. McWilliams, 200; do 60	260 00	
Kingston	A. P. Knight, 300; 2 assistants, 132	432 00	
Port Stanley	M. Payne, 300; 2 do 132	432 00	
Saugeen	K. Stewart, 300; 1 do 100	400 00	
Parry Sound	Rev. R. Mosley, 300; 2 do 96	396 00	
	Carried forward	3,229 33	14,563 46

STATEMENT of Expenditure in connection with the Meteorological Service etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward	3,229 33	14,563 46
	SALARIES—*Continued.*		
	Telegraph Stations—Concluded.		
Rockliffe	W. H. McIntyre, 12 months salary	240 00	
Port Arthur	W. P. Cooke, 12 do	400 00	
Minnedosa	Rev. J. M. Wellwood, $300; 1 assistant, $100	400 00	
Qu'Appelle	L. Gordon, J. P., 300; 1 do 100	400 00	
Medicine Hat	Jno. Ewart, 300; 1 do 100	400 00	
Calgary	H. S. Cayley, 12 months salary	400 00	
Edmonton	Alex. Taylor, $120; 1 assistant, $30	150 00	
Prince Albert	Rev. Canon Flett, 9 months salary	300 00	
Swift Current	W. G. Knight, 12 months salary	400 00	
			6,319 33
	Reserve Telegraph Stations.		
St. Andrews	S. T. Gove, 12 months salary	300 00	
Charlottetown, P. E. I.	Arthur Newberry, 1 month salary	25 00	
St. John's, Newfoundland	J. Higgins, 12 months salary	100 00	
Port Dover	H. Morgan, 12 do	300 00	
London	E. B. Reed, 12 do	300 00	
			1,025 00
	Drum Stations.		
Point Lepreaux	Geo. H. Thomas, 12 months salary	60 00	
Digby	N. A. Turnbull do	50 00	
Liverpool	J. L. Hemmeon do	60 00	
Halifax	Supt. of Signals do	60 00	
Louisburg	W. H. Townsend do	60 00	
Cow Bay	C. Archibald do	60 00	
Little Glace Bay	C. H. Rigby do	60 00	
North Sydney	M. J. Phoran do	60 00	
Pictou, N S	M. Campbell do	60 00	
Port Hastings	W. J. McKeen do	60 00	
Point du Chêne	H. H. Schaefer do	45 00	
Bathurst	Hon. J. Ferguson do	100 00	
Dalhousie	H. A. Jhonson do	78 00	
Percé, P. Q	P. Vibert, $15; F. LeBrun, $15	30 00	
Gaspé, P.Q	J. Eden, 12 months salary	45 00	
McDonald's Cove	Miss Nellie Prinyer	45 00	
Cobourg	F. Reynolds, 12 months salary	45 00	
Port Hope	Thos. F. Janes do	45 00	
Toronto	Capt. A. Taylor do	45 00	
Burlington Beach	Capt. J. Campbell do	45 00	
Port Dalhousie	E. F. Dwyer do	45 00	
Port Colborne	D. Hughes do	45 00	
Goderich	Robt. Campbell do	60 00	
Kincardine	DeWitt H Martyn do	100 00	
Saugeen	Thos. Davis do	60 00	
Presque Isle	J. McKenzie do	100 00	
Collingwood	Mrs. A. Bligh do	84 00	
Deseronto	The Rathbon Co	20 50	
Picton	J. A. Rawson	20 50	
Port Credit	A. Blakeley	20 50	
Oakville	Geo. J Sumner	20 50	
Port Burwell	G. B. McConnell	21 50	
Amherstburg	W. H. McEvoy	21 50	
Sarnia	M. Fleming	21 50	
Bayfield	J. Gairdner	21 50	
Owen Sound	R. Thompson	18 00	
Midland	W. Henderson	18 00	
Trenton	W. J. Clarke	19 50	
			1,830 50
	Carried forward		23,738 29

STATEMENT of Expenditure in connection with the Meteorological Service, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		23,738 29
	Special Stations.		
Belle Isle	Michael Colton	100 00	
Point Escuminac		50 00	
			150 00
	Telegraphy.		
D. O'Halloran	12 months salary at Central Office	600 00	
R. Cumming	do do do	480 00	
G. N. W. Telegraph Co.	Telegraph account for year	14,511 23	
do	Supplies	8 16	
do	Maintenance line at Mount Royal	18 66	
C. P. R. Telegraph Co.	Telegraph account for year	1,067 80	
M. Payne	12 months salary Drum Messenger	15 00	
L. Mosley	do Telegraph Messenger	60 00	
Arthur Newberry	1 do do do	5 00	
G. A. Burnett	12 do Agent at Buffalo	80 00	
B. S. Jenkins	Special assistance at Winnipeg	120 00	
R. J. Molloy	Reporting telegraph messages, Clark's Crossing	100 00	
T. M. Hurst	Delivering do at Prinyer	19 50	
Bell Telephone Co	½ year rent	25 00	
M. Fleming	Sarnia	20 00	
J. B. Rogers	Extra assistance	121 80	
W. G. Knight	For telegraph messenger	13 00	
do	Constructing line to station	45 40	
			17,310 55
	Instruments and Apparatus.		
McDonald, Kemp & Co.	Rain gauges, etc	102 37	
James Foster	Meteorological instruments	328 85	
R. H. Scott	Instruments	182 68	
Thos. Dean	Zinc castings	23 40	
J. G. Rice	Wire guards	7 50	
G. M. Whipple	Instruments	100 06	
H. J. Green	do	228 50	
			973 36
	Stationery, Books, etc.		
Brown Bros.	Stationery	206 48	
E. Ferrell	Postage stamps	350 47	
G. E. Stechert	Berlin almanac	4 62	
"Monetary Times"	Printing	34 00	
Copp, Clark Co.	do maps.	107 00	
Publisher of "Science"	Subscription and back numbers	12 02	
E. W. Maunder	Subscription to "The Observatory"	6 92	
Chas. Annand	2 years subscription "Morning Chronicle"	12 00	
A. Asher & Co	Subscription "Meteorologische Zeitschrift"	4 48	
Mason & Payne	Stationery	6 38	
Cyclostyle Co	Cyclostyle paper	2 00	
O. J. D. & E. S. Dana	Subscription "American Journal of Science"	2 35	
Barber & Ellis Co.	Wrappers	11 00	
Williamson & Co	Nautical almanac	10 65	
"Globe" Printing Co	Subscription	5 00	
Hart & Co	Periodicals	15 00	
Macmillan & Co	Back numbers periodicals	2 86	
Taylor & Francis	do	1 32	
Electrician		0 38	
M. O. O., Toronto	P. O. O. for periodicals	4 46	
			799 19
	Carried forward		42,971 39

STATEMENT of Expenditure in connection with the Meteorological Service, etc.—*Continued.*

		$ cts.	$ cts.
	Brought forward		42,971 39
	Freight, Cartage and Customs.		
American Expre s Co	Freight	23 85	
Dominion Express Co.	do	158 32	
The Sheddon Co	do	18 03	
Canadian Express Co	do	10 25	
H. L. Good	Charges for freight	4 60	
Canadian Pacific Ry. Co.	Freight	6 09	
Treasurer G. N. W. Tel. Co	do	14 98	
Charles Carpmael	Freight paid at Toronto	97 98	
D. Pottinger	Paid freight on bulletin blanks to Moncton	5 25	
Jos. Caswell	Freight	6 00	
Grand Trunk Railway	do	3 24	
Alex. Taylor	do	8 50	
Hendrie & Co	do	1 18	
Dominion Transport Co.	do	9 72	
			367 99
	Expenses at Stations.		
The Bell Telephone Co.	Halifax	17 50	
J. E. Butler	do	10 44	
Malcolm Campbell	Pictou	6 40	
W. J. McKeen	Port Hastings	12 25	
A. C. Lyman	Montreal	11 50	
Bellhouse, Dillon & Co.	do	31 61	
W. J. Clarke	Trenton	5 45	
T. W. Shaw	St. John, N. B.	12 30	
Barnes & Co	do	8 75	
A. Christie Wood working Co	do	15 70	
J. E. Belcher	Peterborough	10 00	
Fred. Poitras	Quebec	220 23	
Gas Light Co.	St. John, N. B.	4 68	
W. A. Ashe	Quebec	52 46	
H. Pope	Anticosti	5 00	
Sylvanus Phillips.	Petrolea	14 50	
Tweed & Ewart	Medicine Hat	5 85	
Geo. Wattie	Barrie	12 00	
Alex. Begg.	High River	4 25	
Victor A. Huart	Chicoutimi	25 00	
W. H. Townsend	Louisburg	4 00	
William Aitken.	Poplar River	25 00	
G. A. Blair	Chatham	23 50	
E. E. Blair	do	9 33	
M. Payne	Port Stanley	44 00	
R. Mosley	Parry Sound	20 00	
M. Fleming.	Sarnia	8 06	
Geo. Tutt	Cobourg	30 00	
F. Reynolds	do	9 50	
De witt H. Martyn	Kincardine	20 37	
Thos. Harrison	Fredericton	16 25	
Wm. McBride	Stratford	6 40	
Sergt. Mulholland, R. E.	Halifax	3 90	
Oldreive & Hall	Kingston	8 20	
M. J Phorson	North Sydney	2 49	
D. L. Hutchinson.	St. John, N. B	6 50	
Wm. Woods	York Factory	150 00	
J. D. Graham	Sharon	13 00	
T. Routier	Making frames for Bird Rocks	13 27	
H. J. Cundall	Charlottetown	71 09	
Thos. Davis	Saugeen	1 70	
T. F. Janes	Port Hope	1 70	
W. Henderson	Midland	3 00	
The Rathbun Co	Deseronto	1 15	
	Carried forward	978 28	43,339 38

STATEMENT of Expenditure in connection with the Meteorological Service etc.—*Continued.*

		$ cts.	$ cts
	Brought forward	978 28	43,339 38
	Expenses at Stations—Continued.		
Robt. Thompson	Owen Sound	3 15	
W. G. Knight	Swift Current	20 00	
J. McWilliams	Father Point	18 90	
W. P. Cooke	Port Arthur	15 00	
H. A. Johnson	Dalhousie	4 23	
J. L. Hemmeon	Liverpool, N. S	2 45	
Jos. Eden	Gaspé	1 05	
Hon. J. Ferguson	Bathurst	5 86	
Nellie Prinyer	Prinyer	1 75	
N. A. Turnbull	Digby	1 00	
J. E Crawford	London	25 00	
J. E. Murphy	Yarmouth	184 46	
Rev. W. D Reeve	Fort Chipewyan	35 00	
H. E. Rawson	Halifax	3 00	
F. LeBrun	Percé	13 00	
H. J. Woodside	Portage la Prairie	2 16	
Albert E. Morrison	Charlottetown	21 00	
Thos. S. Potts	Little Current	3 50	
McKelvey & Birch	Kingston	8 65	
S. T. Gove	St. Andrews	3 30	
H. E. Plunkett	Swampy Island	23 00	
Moses Burpee	Woodstock, N.B	23 10	
W. H. McEvoy	Amherstburg	57 65	
E. Chanteloup	Montreal	24 90	
T. R. Routledge	do	18 00	
N. B. Scofield	Port Dover	17 00	
F. H. Macpherson	Beeton	10 00	
Jos McDonald	Edmonton	25 85	
F. Sassesville	Cape Magdalene	18 00	
Hy. Locke	Cape Norman	18 00	
Thos. Gagné	Anticosti, E. Pt	18 00	
A. Malouin	do W. Pt	18 00	
E. Parent	Bicquette	18 00	
T. Côté	Cape Chatte	18 00	
L. F. Faffard	Point des Monts	18 00	
F. Lemieux	Point Rich	18 00	
James P. Dillon	White Head	18 00	
Arthur R. Tobin	Sable Island	18 00	
			1,730 2
	Travelling Expenses.		
B. C. Webber	Travelling expenses	292 45	
William Menzies	do	9 25	
Charles Carpmael	do	48 25	
			349 9
	Miscellaneous.		
W. J. Hetherington	Extra pay	140 00	
F. L. Blake	Special services	600 00	
R. F. Smyth	Extra pay	400 00	
B. C. Webber	Night probs	228 00	
William Menzies	Mechanical work	681 63	
Rice Lewis & Son	Hardware	119 64	
Water Works Dept	Water rent	15 00	
Lyman Bros	Chemicals	61 83	
John Finch	Carpentering	5 75	
H. A. Collins	Coal oil, etc	110 05	
W. F. Davison	Watch oil	4 50	
W. R. Dosser	Sweeping chimneys	3 00	
H. V. Payne	Night probs	183 00	
J. P. Wagner & Co	Lumber	109 73	
	Carried forward	2,662 13	45,419 5

STATEMENT of Expenditure in connection with the Meteorological Service, etc.—*Continued.*

			$ cts.	$ cts.
	Brought forward		2,662 13	45,419 57
	Miscellaneous—Concluded.			
J. Merryfield	Carrying parcels		40 00	
do	Rent and cleaning rooms		48 00	
do	Scrubbing offices		36 00	
Eastman Dry Plate Co.	Photographic papers		7 60	
The Cyclostyle Co	Cyclostyle paper		1 60	
Geo. Cowie	Reporting weather signals,	Beeton	10 00	
Wm. Gray	do	Orangeville Junction	20 00	
Chas. Laperche	do	Alexandria	8 00	
G. F. Le Roy	do	North Hastings	10 00	
W. Wells	do	Brockville	10 00	
H. A. Treen	do	Richmond	8 00	
A. Low	do	Stouffville	10 00	
J. L. Fisk	do	Lorneville	10 00	
R. A. Bleker	do	Manilla Junction	10 00	
R. J. Matchett	do	Lindsay	10 00	
F. Armstrong	do	Hamilton	10 00	
D. Morice	do	Niagara Falls	9 00	
J. C. Brown	do	Streetsville Junction	10 00	
W. B. Burnett	do	Havelock	9 00	
J. Howard	do	Cataract	10 00	
F. Castonguay	do	St. Charles Junction	10 00	
Jos. Hudon	do	Trois Pistoles	9 00	
R. B. Blais	do	Causapscal	10 00	
J. H. Allan	do	Dalhousie	10 00	
A. J. Fraser	do	Elmsdale	10 00	
W. W. Price	do	Petitcodiac	10 00	
H. Palmer	do	Sackville	10 00	
A. M. McKay	do	West River	10 00	
J. B Humphrey	do	Weldford	7 00	
F. L. Grass	do	Folleigh	10 00	
W. R. Payne	do	Bathurst	10 00	
W. F. Peden	do	Carleton Junction	3 00	
Collin McIntosh	do	Antigonishe	5 00	
R. Polk & Co.	Gazetteer and Directory		11 00	
W. J. Hughes	Repairing grates, Toronto		10 13	
Conger Coal Co	Coal		147 50	
Bell Telephone Co	Toronto		25 00	
Rev. W. D. Reeve	Copying observations		30 00	
Jas. Little	do		30 00	
Wm. Aitken	do		50 00	
Thos Beall	do		30 00	
A. Brain	Attending anemometer at Island, Toronto		20 00	
A. D. C. Grant	Extra pay		20 00	
R. F. Stupart	Night probs		136 50	
Charles Carpmael	Petty disbursements		47 57	
Thos. Downey	Ladder		3 70	
Electric Despatch Co	Messenger service		1	
Edward Davis	Copying abstracts		29 40	
				3,675 43
Queen's Printer	Printing, etc			1,795 44
	Total			50,890 44

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 16

To the Twentieth Annual Report of the Department of Marine, bein
Statement of Expenditure on account of Magnetic Observatories in t
Dominion, for the Fiscal Year ended 30th June, 1887.

			$ cts.	$
	SALARIES.			
Chas. Carpmael	12 months salary as Director	$1,952 00		
do	do superannuation tax	48 00		
			2,000 00	
Thos. Menzies	12 months salary as Observer	$462 12		
do	do superannuation tax	5 85		
			467 97	
W. A. Stewart	12 months salary as Observer	$533 24		
do	do superannuation tax	6 76		
			540 00	
W. F. Davison	12 months salary as Observer	$533 24		
do	do superannuation tax	6 76		
			540 00	
John Merryfield	12 months salary as Messenger		325 00	
				3,872
	Miscellaneous.			
W. A. Stewart	House rent		150 00	
Thos. Menzies	do		129 93	
Faircloth Bros	Papering		20 00	
J. P. Wagner & Co	Lumber		45 17	
John Finch	Carpentering		41 00	
Water Works Dept	Water rent		12 00	
Jas. J. Brown	Earth		6 00	
James Young	Sunday service		40 00	
Canadian Express Co	Freight		1 55	
The E. Harris Co	Glass plates		3 00	
Brown Bros	Stationery		27 50	
Bennett & Wright	Plumbing		256 06	
W. A. Lyon & Co	Frame and mat		1 25	
R. Polk & Co.	City directory		3 00	
H. A. Collins	Hardware, etc		44 48	
W. J. Hughes	Repairing and setting grates		19 15	
W. H. Vandersmissen	Translating		6 00	
N. Murray	Photograph of spectrum		12 10	
Conger Coal Co	Wood and coal		43 25	
Henry Palmer	Sodding, etc		11 60	
R. J. Stanley	Papering		8 86	
Alfred Coyell	Fencing		429 06	
G. E. Stechert	Berlin almanac		4 62	
Wm. Menzies	Mechanical assistance		61 75	
				1,377
	Total			5,250

RECAPITULATION.

Meteorological Service		50,890
Observatory—Montreal	500 00	
do Kingston	500 00	
do Toronto	5,250 30	
		6,250
Total		57,140

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 17

o the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Marine and Immigrant Hospital, Quebec, for Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts.
r. O. C. Robitaille	13 months salary as Chairman of Board	250 00	
r. C. S. Parke	do Commissioner	250 00	
r. P. Wells	do Secretary and Treasurer	750 00	
r. A. Rowand	do Visiting Physician	500 00	
r. C. E. Lemieux	do do	500 00	
r. N. E. Dionne	do do	500 00	
ev. L. L. Paradis	13 months allowance as Chaplain	180 00	
ev. M. M. Fothergill	do do	180 00	
r. P. Wells	13 months pay list of employees	3,759 89	
do	Paid for beef, groceries, vegetables, etc	1,551 19	
. Paquet	Furniture	136 00	
. Vallière	do	88 10	
ames McCorkell	Bread	547 29	
. C. Dorion	Drugs	213 80	
. M. Mackay & Co	do	6 50	
7. Brunet et Cie	do	397 52	
. C. D'Auteuil	Dry goods	722 38	
ames McCone	Groceries	1,737 90	
. E. Blais	do	329 48	
. Laberge	Joiner's work	793 94	
. Delaney	Beef and pork	1,921 55	
. Brophy	Milk	1,013 25	
. Mulholland	Plumber's work	88 30	
eorge Cook	Smith's work	579 43	
. Drolet	Washing	237 07	
yman, Sons & Co	Lint	50 00	
. Lépine	Funeral expenses	40 00	
yan & Keraghan	Plumber's work	175 81	
ell Telephone Co	Rent to 30th September, 1887	50 00	
. Asselin	Cutting wood	165 00	
. Morin et Cie	Drugs	76 68	
. E. Burke	do	13 00	
. Lemieux	Stationery	11 00	
ity Corporation	Water rates, 1886-87	800 00	
. Norris	Crockery	160 85	
ndrews Bros	Hardware, etc	570 44	
. A. Langlois	Stationery	52 88	
. Plamondon	Washing	129 06	
ev. L. L. Paradis	Interments	16 00	
. J. Demers et Frère	Printing	4 00	
oisy et Frère	Sewing machine	45 00	
ount Hermon Cemetery	Interments	35 00	
. Duquet	Clock	40 00	
. Jacot	Repairs to clock	12 75	
ames Maguire	Plumber's work	35 80	
oswell & Co	Ale	44 10	
ouis Gagnon	Ice	46 00	
			19,706 96

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 18

To the Twentieth Annual Report of the Department of Marine, bein Statement of Expenditure on account of Marine Hospitals, Sick an Disabled Seamen and Shipwrecked and Distressed Seaman, for Fisca Year ended 30th June, 1887,

PROVINCE OF ONTARIO.

	KINGSTON HOSPITAL.			$ cts.	$ c
J. E. Clark, Secretary ...	Annual grant for support of sick seamen.....			.....	500 0

PROVINCE OF QUEBEC.

	MONTREAL GENERAL HOSPITAL.				
T. Davidson, Treasurer..	Maintenance of 83 sick seamen for season ended 30th November, 1886, 1,559 days, at 90c.			.....	1,403 1
	NOTRE DAME HOSPITAL.				
Treasurer of Hospital.....	Maintenance of 58 sick seamen, 940 days, at 90c....			.....	846 0
	SICK AND DISABLED SEAMEN.				
Rev. Lady Superioress....	Allowance for fuel, Chicoutimi.....		$100 00		
do	Boarding sick seamen and medicine, Chicoutimi.....		111 80		
Dr. S. Pouliot	Attendance and medicine, Chicoutimi...		42 00		
				253 80	
Dr. R. C. Blair.....	Attendance and medicine, Three Rivers.		$24 00		
Hoerner & Williams.....	Medicine, Three Rivers.....		14 05		
				38 05	
Dr. N. C. Smillie..	Attendance and medicine, Gaspé.....		$574 90		
Dr. D. W. E. Ray.....	do	do	6 00		
J. A. Eden.....	Boarding and lodging, 10 seaman, Gaspé		49 00		
Catherine Sinnet..	do	do	21 00		
				650 90	
Dr. J. P. Pelletier.....	Attendance and medicine, Matane.....		$106 00		
Mrs. A. Desjardins	19 days board, seaman.....		14 25		
				120 25	
H. Moreau.....	Attendance and medicine, St. John's.....			15 00	
Dr. W. Maguire.....	do	New Carlisle.	$250 00		
J. Hocquard	Boarding sick seamen	do	30 80		
P. C. Beauchesne.....	do	do	91 35		
				372 15	
Leclere & Letellier.....	do	Point Riche...		108 50	
Dr. L. F. Lepage.....	Medicine and attendance, Metis.....			30 00	
Charles Stewart	Boarding sick seamen ex "I. L. B."			29 00	
General Hospital, Sorel..	do	"Eastern Star"		36 00	
Dr. E. H. Provost.....	Attendance on do	do		23 25	
Isidore Morin	Boarding do	"Flying Foam"		15 00	
Quebec Steamship Co....	Passage do	do		6 00	
					1,697 8
Queen's Printer.....	Printing, etc.....			.....	48 6
					1,746 8

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF QUEBEC—*Concluded.*

	SHIPWRECKED AND DISTRESSED.	$ cts.	$ cts.
J. U. Gregory	Paid to 5 seamen ex "Ripple"	25 00	
J. A. H. Campbell	Expenses, crew ex "Mary"	31 95	
Merchants Bank	do seamen	110 00	
Dept. of Agriculture	Paid board, James Norris	6 56	
do Indian Affairs	Expenses incurred by Indians on behalf of wrecked crew ex "Thomas R. Foster"	65 70	
John Vibert	Boarding 6 men, 102 days, at 50c.	51 00	
E. Boucher	do 8 men, 4 days, at 50c	24 00	
P. Ward	Furnishing beds, etc	19 50	
			333 71
Queen's Printer	Printing, etc		20 91
			354 62
	BOARD OF TRADE.		
Account, Board of Trade	To reimburse expenses of seamen ex "Itasca"	128 46	
	do "Augusta Muir"	31 23	
	do "Avlona"	25 22	
	do "Florence"	143 60	
	do "Calabria"	28 89	
	do "Beta"	69 35	
	do "Cygnus"	43 21	
	do "Kismet"	3 08	
	do "Mollie A. Reed"	163 26	
	do "Osses"	76 41	
	do "Orient"	88 21	
	do "Henrys"	35 04	
	do "Gloire"	124 10	
	do "Maggie"	81 76	
	do "Alida A. Smith	53 06	
	do "Lizzie"	20 98	
	do "Gem"	70 14	
	do "Elizabeth"	52 58	
	do "Sabra Killam"	17 97	
	do "Sea Flower"	22 73	
	do "Freddie F"	9 92	
	do "Louis Dugan"	42 08	
	do "Ivanhoe"	30 84	
	do "J. W"	28 39	
	do "Pereaux"	36 19	
	do "Mattie D"	112 34	
	do "Oriana"	49 13	
	do "Summerside"	35 49	
	do "Cetewayo"	53 47	
	do "Mary Theall"	12 57	
	do "Atlanta"	36 90	
	do "Guelph"	203 89	
	do "Alice May"	48 51	
	do "St. Vincent"	149 37	
	do "Mary George"	17 95	
			2,146 32

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA.

		$ cts.	$ cts.
	SICK AND DISABLED SEAMEN.		
Provincial and City Hostal.	Board seamen for fiscal year ending 30th June 1887, 3377 days, at 90 cts per day		3,039 30
	Arichat.		
Dr. A. V. Harel	6 months salary	124 98	
do	Attendance and medicine	37 09	
Annie Forrest	Board, 1⅝ weeks, at $3.00	5 15	
Felix Martell	do 20⅔ do 3.50	71 50	
Eliza Marchand	do 4⅔ do 3.00	13 28	
Adèle Laballe	do 2 do 3 50	7 00	
Alex. Britau	do 2 do 3.50	7 00	
Dr. H. J. Fixott	Attendance and medicine	28 50	
Dr. J. C. L'Espérance	do	19 00	
			313 50
	Annapolis.		
Dr. Aug. Robinson	Attendance and medicine	42 25	
M. G. Amberman	Board, 16 days, at 75 cts.	12 00	
M. A. Bochner	do 7 do at 75 cts	5 25	
do	do 3 weeks, at $3	9 00	
			68 50
	Advocate.		
Dr. Henry S. Clay	Attendance and medicine		7 50
	Barrington.		
Dr. F. P. Smith	Attendance and medicine	4 50	
Dr. H. Wilson	do	36 75	
Dr. A. J. Fuller	do	20 25	
Matthew Atkins	Board, 2 weeks, at $2.00	4 00	
Charles Sears	do 15⅔ do 3 00	46 72	
Vincent Nickerson	do 7 do 3.00	21 00	
John Sears	do 4 do 3.00	12 00	
Gideon Nickerson	Coffin, etc.	12 00	
			157 22
	Bear River.		
Dr. F. S. Kinsman	Attendance and medicine	63 00	
Mrs G. Merritt	Board, 1 week	3 00	
Dr. R. J. Ellison	Attendance and medicine	69 05	
W. V. Spurr	Board, 5 weeks, at $3 00	15 00	
Lenora Collins	do 7 do 3.00	21 00	
E. Sandford	do 3 do 3.00	9 00	
Sarah McFaden	do 4 do 3.00	12 00	
			192 0[illegible]
	Bayfield.		
Dr W. H. McDonald	Attendance and medicine	8 75	
Dr. A. McIntosh	do	5 75	
Dr. A. Cameron	do	8 50	
Dr. J. A. McKinnon	do	11 50	
Mrs. J. McDonald	Board, 8 weeks, at $3.00	24 00	
do	do 10 do 2 50	25 00	
			83 5[illegible]
	Carried forward		3,861 5[illegible]

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc,—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

		$ cts	$ cts.
	Brought forward		3,861 57
	SICK AND DISABLED SEAMEN—*Continued.*		
	Baddeck.		
Dr. J. S. Bethune	Attendance and medicine		4 00
	Canso.		
Dr. Chas. Newcomb	Attendance and medicine	103 70	
Susan Nickerson	Board, 2 weeks, at $3 50	7 00	
do	do 2½ do 3 00	7 50	
do	Extra for nursing	1 00	
do	Board and nursing, 2 weeks, at $5	10 00	
do	Burial expenses	8 00	
Bridget Fanning	Board, 2⅜ weeks, at $3	7 29	
do	Nursing, 2 weeks, at $1	2 00	
Katy Fanning	Board, 5 days, at 50 cts	2 50	
			148 99
	Cow Bay, C.B.		
Dr. R. A. H. McKeen	Attendance and medicine		39 50
	Economy.		
Dr. J. M. Maclean	Attendance and medicine	66 65	
A. L. McAloney	Board, 10 weeks, at $3	30 00	
C. E. Cutten	Clothing	10 00	
E. Huntley	Conveyance	2 00	
			108 65
	Freeport.		
Dr. D. W. Morrison	Attendance and medicine	85 53	
Charles Brooks	Board, 6 weeks, at $3.00	18 00	
Wm Smith	do 3 do 3 00	9 00	
Matilda Hames	do 3 do 2.50	7 50	
Bella Hames	do 2 do 2 50	5 00	
Geo. Robbins	do 2 do 3.00	6 00	
Caroline Lewis	do 3 do 3.00	9 00	
			140 03
	Guysborough.		
Dr. J. E. Buckley	Attendance and medicine		4 00
	Glace Bay.		
Dr. Marcus Dodd	Attendance and medicine	67 00	
Eliza Martell	Board, 11 weeks, at $2.50	27 50	
			94 50
	Hantsport.		
Dr. C. J. Margeson	Attendance and medicine		5 25
	Carried forward		4,406 35

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

		$ cts.	$ cts.
	Brought forward		4,406 35
	SICK AND DISABLED SEAMEN—*Continued.*		
	Halifax.		
A. B. Bligh	Conveyance		5 40
	Joggins.		
Dr. Wm. Rockwell	Attendance and medicine	10 35	
Dr. R. A. Guildford	do	12 50	
Dr. J. E. Trueman	do	16 50	
Fanny Carter	Board from 27th May, to 13th June	8 00	
			47 35
	Lunenburg Hospital.		
S. A. Rounsefell	Medicines	84 80	
Dr. Stannage Jacobs	Salary	150 00	
Arthur Thurlow	Board, 126 weeks and 1 day, at $3.00	378 46	
do	Teaming coal	4 75	
do	3½ cords wood	14 88	
do	1 chaldron coal	6 38	
do	Salary	150 00	
			789 27
	Lockeport.		
Dr. W. J. Freeman	Attendance and medicine	209 50	
Henry Hamilton	Board, 6 weeks, at $5.00	30 00	
do	do 7 do 3 50	24 50	
do	do 17 weeks and 5 days, at $3.00	53 15	
do	Board and nursing, 12 weeks	12 00	
do	Washing	1 25	
Donald McKenzie	Boarding, 4 weeks, at $5	20 00	
do	Washing	2 00	
Dr. J. C. Street	Attendance and medicine	43 00	
Howard Turner	Board, 12 weeks, at $3 50	42 00	
Thos. Rawlings	do 10 do 3.00	30 00	
			467 40
	Liverpool.		
Dr. H. G. Farish	Salary	100 00	
Margaret Day	Board, 11 weeks, at $3 50	38 50	
John Hornish	do 5 do 3.50	17 50	
Sarah Head	do 6 weeks and 2 days, at $3.50	22 00	
A. V. Hagin	do 3 do 1 do 3.50	11 00	
S. Chandler	do 3 weeks, at $3.50	10 50	
			199 50
	La Have.		
Dr. Oliver Saunders	Attendance and medicine		10 00
	Mahone Bay.		
Dr. Geo. A. Pickles	Attendance and medicine	46 00	
Mrs. T. Langille	Board, 3 weeks and 6 days, at $3.00	11 58	
	Carried forward	57 58	5,925 4

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

		$ cts.	$ cts.
	Brought forward	57 58	5,925 41
	SICK AND DISABLED SEAMEN—*Continued.*		
	Mahone Bay—Concluded.		
Mrs. C. Hardy	Board, 2 weeks and 4 days, at 3 00	7 72	
Dr. Charles Gray	Attendance and medicine	81 00	
Eliza Schuare	Board, 4 weeks, at $3.00	12 00	
Abigail Ernst	do 7 do 3 00	21 00	
			179 30
	North Sydney.		
Copeland & Co.	Medicines	64 55	
Dr. H. B. McPherson	Salary	300 00	
			364 55
	Northport.		
J. M. Burns	Board, 1 day	1 00	
do	Cabin fare and team station to Hospital	1 75	
do	Hotel, 40 cts.; self and horse, 1 day, $3	3 40	
Dr. J. G. Campbell	Attendance and medicine	19 20	
			25 35
	Port Hawkesbury Hospital.		
John Matheson	Salary	144 00	
do	Board, 25 weeks and 3 days, at $3	76 30	
do	Repairs to buildings	174 21	
do	Bedpan	2 00	
Henry Embree	Painting and lettering signs	8 00	
Dr. P. A. Macdonald	Salary	100 00	
do	Medicines	37 20	
Barnstead & Sutherland	Blankets, quilts	14 50	
			556 21
	Parrsboro'.		
A. J. Townshend	Salary	145 83	
Dr. H P. Clay	Attendance and medicine	25 00	
Dr. D. M. Pettis	Nurse, board, washing	10 00	
			180 83
	Pugwash.		
Dr. R. A. Dakin	Attendance and medicine		11 00
	Pictou.		
Dr. J. McMillan	Conveyance 1 man	2 12	
do	Salary	400 00	
A. McKaracher	Board, 47 weeks and 1 day	143 59	
do	Salary	150 00	
A. C. Baillie	Clothing	9 90	
Wm. Carson	Stovepipe	8 30	
			713 91
	Port Greville.		
Dr. Clifford Sayre	Attendance and medicine	36 00	
A. Hatfield	Board, 3 weeks, at $5	15 00	
	Carried forward	41 00	7,956 56

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

		$ cts.	$ cts.
	Brought forward	41 00	7,956 56
	SICK AND DISABLED SEAMEN—*Continued.*		
	Port Greville—Concluded.		
Dr. M. G. Atkinson	Attendance and medicine	42 45	
James E. Cole	Board, 7 weeks, at $3.00	21 00	
Mrs. Howard	do 2 do 2.50	5 00	
Dr. A. J. Clarke	Attendance and medicine	18 50	
Mrs. R. Morrison	Board, 4 weeks, at $3	12 00	
			149 95
	Port Gilbert.		
Dr. H. A. Ellison	Attendance and medicine	32 50	
Dr. E. Fritz	do	34 35	
Joseph White	Board, 4 weeks, at $3.00	12 00	
Eli. Adams	do 8 do 3.00	24 00	
			102 85
	Port Medway.		
Lavinia Whynoch	Board, 3 weeks, at $2.50	7 50	
A. Morine & Son	Team for doctor	4 00	
do	Conveyance	0 75	
C. A. Mack	Board, 5 days, at $1 per day	5 00	
			17 25
	River John.		
Dr. H. F. Cameron	Attendance and medicine	20 65	
Mrs. A. McDonald	Board, 3 weeks, at $3	9 00	
Wm. Gammon	Coach fare	1 25	
			30 90
	Sydney Hospital.		
Samuel Muggah	Board, 155 weeks and 1½ day, at $3	465 64	
do	Straw, repairing bedsteads	2 30	
do	Stove linings	2 20	
do	Salary as Keeper	250 00	
C. L. Ingraham	Supplies	56 93	
Dr. A. D. MacGillvary	Salary	300 00	
do	Medicines	25 90	
N. & J. McLellan	Repairing pump and tinware	3 68	
do	Stove	8 00	
M. B. Umlah	Glass and putty	3 05	
			1,117 70
	Shelburne.		
Dr. J. S. Morton	Attendance and medicine	8 50	
M. A. Thompson	Board, 3 weeks and 4 days, at $3.50	12 50	
do	Washing	1 00	
			22 00
	Sheet Harbour.		
Dr. Finlay McMillan	Attendance and medicine	88 75	
Geo. Penny	Board, 11 weeks and 5 days, at $2.50	29 29	
			118 04
	Carried forward		9,515 65

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

		$ cts.	$ cts.
	Brought forward		9,515 65
	SICK AND DISABLED SEAMEN—*Concluded.*		
	Thorne's Cove.		
Dr. J. A. Coleman	Attendance and medicine	62 50	
Sarah Oliver	Board and nursing, 4 weeks, at $4	16 00	
			78 50
	Weymouth.		
Dr. H. A. Ellison	Attendance and medicine	6 00	
M. A. Haukinson	Board, 3 weeks, at $2.50	7 50	
			13 50
	Windsor.		
Dr. J. B. Black	Attendance		7 00
	Yarmouth.		
Dr. A. M. Perrin	Salary	150 00	
J. M. LeCain	Board, 9 weeks and 4 days, at $3	28 72	
A. J. McCallum	Medicines	21 92	
			200 64
	MISCELLANEOUS.		
Fishwick's Express	Conveyance and subsistence, seamen	16 00	
Intercolonial Railway	do	2 28	
Michael Phelan	Allowance for board and medical attendance, 44 days, at 90 cts. per day	39 60	
			57 88
	Total		9,872 77
	SHIPWRECKED AND DISTRESSED SEAMEN.		
	Subsistence and Conveyance.		
H. B. Lewis	1 man ex "Conductor"	7 29	
J. E. Fielding	6 do "J. Northup"	24 00	
do	1 do "Mary"	5 50	
A. S. Townshend	Crew ex "Sisters"	40 00	
A. G. Hamilton	do "Annie Duncan"	15 00	
do	do "Magnolia"	55 50	
James W. Brown	4 men ex "Annie Duncan"	19 80	
do	Crew ex "Magnolia"	37 20	
William Harris	5 men ex "Birdie"	12 50	
Sailors Home	Crew ex "John Northup"	32 50	
do	1 man ex "W. McDonald"	4 20	
do	1 do "Wave King"	1 55	
do	5 do "Orient"	10 50	
do	5 do "Ceylon"	13 40	
do	1 do "M. McGowan"	7 80	
R. Wills	5 do "Orient"	7 30	
J. Nickerson	1 do "W. G. Gordon"	3 00	
C. T. McKay	2 do "Winifred"	22 27	
Edwin Collins	3 do "Nyanza"	8 76	
C. A. Martell	1 do "Daisy"	8 40	
	Carried forward	336 49	

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Concluded*

		$ cts.	$ cts.
	Brought forward	336 49	
	DISTRESSED AND SHIPWRECKED SEAMEN—*Concluded.*		
	Conveyance and Subsistence—Concluded.		
Edward Kinney	1 man ex "Jessin"	9 88	
S. Knickle	2 do "Florence A. Z."	4 38	
Thos. Romkey	1 do do	5 11	
Reuben Romkey	1 do do	2 92	
Henry Dawson	5 do "Albion"	14 60	
do	1 do "Sappho"	2 92	
R. McDonald	2 men ex "Mary Ann"	20 00	
D. McDonald	Crew ex "Henry Battye"	49 00	
W. A. Chase	4 men ex "Nyanza"	8 76	
do	3 do "F. A. Clairmonte"	4 38	
do	1 do "Acadia"	1 46	
do	1 do "Geo. Gordon"	1 46	
S. M. Malone	12 do "Annie McGie"	48 00	
A. G. Jones & Co.	2 do "Esse Cronan"	2 92	
do	4 do "Clifford"	34 07	
Geo. Sanford	1 do "Perean"	4 38	
J. R. McDonald	1 do "Turban"	2 07	
Merchants Bank	Crew ex "M. A. Belle"	60 00	
do	do "Tiber"	20 00	
do	do "Mispah"	70 00	
J. H. Porter & Co	2 men ex "Sappho"	20 43	
J. C. Bourinot	Crew ex "Jas. Read"	30 00	
			753 21
	Subsistence.		
Sailors Home	1 man ex "Hattie H."	0 60	
do	1 do "Galena"	0 60	
do	1 do "J. Knox"	1 80	
do	1 do "Invermay"	3 60	
do	1 do "Wetherby"	2 40	
do	1 do "Damara"	4 20	
Mary McDonald	4 do "Hope"	6 00	
Michael O'Connors	2 do "C. Graham"	6 00	
Jas. P. Dillon	Crew ex "Birdie"	25 63	
			50 83
	Conveyance.		
James Power	Crew ex "Magnolia"	11 00	
Chas. Purcell	3 men ex "C. Graham"	3 00	
Wm. Watt	1 do do	11 40	
			25 40
	Clothing.		
Sailors Home	Crew schr. "C. Graham"		72 50
	MISCELLANEOUS.		
B. Smeltzer	Subsistence, nurse, clothing crew "C. Graham"	15 00	
A. A. Scott	Messenger for doctor	4 00	
Angus McFarlane	Gratuity in aid of expenses for board, etc	50 00	
			69 00
	Total		970 94

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NEW BRUNSWICK.

	MARINE HOSPITALS.		$ cts.	$ cts.
	Bathurst.			
G. M. Duncan	12 months salary		150 00	
Angus McKaracher	Boarding seamen, 66 weeks and 5 days	$280 20		
do	Fuel, repairing stove, oil	21 25		
			301 45	
John Ferguson	Boarding seamen, wood, drugs, medicine, cotton, oil and commission		584 55	
				1,036 00
	Campbellton.			
V. J. A. Verner	Medicine and attendance			53 25
	Hillsborough.			
Jas. A. Archibald	10 weeks boarding seamen		43 00	
R. P. Jump	Medical attendance on seamen		30 86	
W. J. Lewis	Medical attendance		54 95	
Geo. Bishop	Boarding Wilson 6 weeks		24 00	
				152 81
	Lepreaux.			
H. P. Reynolds	Medicine and attendance			21 50
	St. John.			
W. A. Barnes	12 months salary as Keeper		300 00	
Dr. L. B. Botsford	12 do Physician		560 00	
Dr. W. S. Harding	12 do do Pest House		100 00	
Rev. Jas. Spencer	12 do Chaplain		100 00	
W. A. Barnes	Boarding seamen, $2,379.07; hearse hire, etc., $11.29	$2,390 36		
do	15 months allowance for Engineer	187 50		
			2,577 86	
W. H. Powers	Coffin and hearse hire		12 00	
Water Commisioners	Water rates		6 18	
F. Clementson & Co	Dishes		11 15	
Barnes & Co	Stationery and forms		44 75	
W. H. Thorne & Co	Brushes, rope and lock		32 55	
Campbell & Ellis	Copper, tin and labour		32 04	
S. McDiarmid	Drugs and medicines		206 63	
Geo. Wilson	2½ cords wood		15 50	
St. John Gas Light Co	Bill to 1st August, 1886		35 00	
A. C. Smith	Water rates		39 60	
Jas. Bell	Whitewashing and glazing		45 75	
Jardine & Co	Soap and brooms		22 20	
Estey, Allwood & Co	Air cushions		4 90	
Mason Sheffield	Consultation fee		10 00	
Lawrence McLaren	do		10 00	
Walter Lane	Carpenter work		57 92	
Wm. Lewis & Son	Wheelbarrow and labour		15 25	
D. Breeze	Brandy		4 55	
W. C. Gibson	Repairing clocks		3 75	
C. E. Burnham & Sons	1 set wheel axles		1 50	
John Carson	Cordwood		7 00	
"Sun" Publishing Co	Subscription to paper		10 53	
J. W. Barnes & Co	Wadding and muslin		1 89	
C. Sydney Smith	Expenses burying seamen		8 00	
				4,276 50
	Carried forward			5,540 06

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NEW BRUNSWICK—*Continued.*

		$ cts.	$ cts.
	Brought forward		5,540 06
	MARINE HOSPITALS—*Concluded.*		
	Miramichi.		
J. S. Benson	12 months salary as Physician	400 00	
Wm. Porter	12 do Keeper	200 00	
de	Boarding seamen and labour	517 71	
Wm. Masson	Brooms, brushes, lamps and oil	47 10	
Jos. McKnight	Carting, stove and soap	44 14	
E Hutchinson	Cordwood and coal	32 11	
David McKenzie	54 cords wood	21 60	
E. Lee Street	Cod liver oil	2 10	
J. D. B. F. McKenzie	Drugs and medicines	38 40	
			1,303 16
	Moncton.		
E. B. Chandler	Attendance		40 60
	Richibucto.		
J. W. Doherty	12 months salary as Physician	200 00	
Eliza E. Rhodes	12 do Matron	150 00	
J. W. Doherty	Freight on drugs	2 26	
Eliza E. Rhodes	Boarding seamen, blankets	103 35	
Chas. A. Nevins	Drugs and medicines	80 29	
H. B. Forbes	25 yards tick	5 50	
			541 40
	Sackville.		
Isaac Crocker	12 months salary as Keeper	150 00	
H. S. Trueman	12 do Physician	100 00	
Isaac Crocker	Boarding seamen	122 56	
H. S. Trueman	Balance salary from 1st November, 1886, to 30th June, 1886 $29 16		
do	Passage of seamen to St. John 5 00		
		34 16	
A. Dixons	Drugs and medicines	8 80	
Thos. A. Kinnear	Blankets	7 50	
John Ford	Paint, oil and lumber	78 22	
			501 24
	St. Andrews.		
S. T. Gove	12 months salary as Physician	150 00	
Ellen McCurdy	12 do Matron	208 00	
S. T. Gove	Boarding seamen, $32; halyard and postage, $3.25	35 25	
Ellen McCurdy	Cordwood and cutting, labour	35 24	
R. Ross	14,940 lbs. coal, $39.22; cartage, $2.20	41 42	
			469 91
	Shediac.		
J. A. Leger	12 months salary as Keeper		200 00
			8,596 37
	SHIPWRECKED AND DISTRESSED SEAMEN.		
Driscoll Bros	15 days subsistence of seamen from Vernurd Haven to St. John	1 80	
	Carried forward	1 80	

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NEW BRUNSWICK—*Concluded.*

			$ cts.	$ cts.
	Brought forward		1 80	
	SHIPWRECKED AND DISTRESSED SEAMEN—*Con.*			
Chas. A. Black	Medical attendance of seamen		3 50	
Wm. Prescott	Board, medical attendance and passage of seamen to Hospital		22 00	
G. A. Heatherington	Medicine and attendance		20 00	
J. W. Ingersoll	Passage of seamen schr. "Nisbet" from Gannet Rock to Windsor		60 00	
Str. "Dominion"	Passage of seamen from Boston to St. John		18 00	
Fred. Pheasant	Passage of 2 seamen from St John to Annapolis "Rosella B."	$4 00		
do	Passage of 4 seamen "Live Yankee" to Digby	6 00		
			10 00	
T. Youngclaus	Clothing for seamen		48 05	
Daniel Bridges	Boarding seamen schr. "Rosella B."		4 00	
G. H. Thomas	Passage to St. John 3 seamen schr. "Rosella B."		10 00	
Chas. Devine	Boarding 3 seamen do		11 00	
Mary McCoy	Boarding seamen do		6 75	
Scammell Bros	Passage of 5 seamen from schr. "Orient" from Barbadoes to St. John	$39 60		
do	Immigration tax on seamen at Boston	3 00		
			42 60	
R. K. Blauvett	Passage 7 seamen of the "Antwerp" from Boston to St. John	$31 50		
do	Passage of seamen from Boston to St. John	5 76		
			37 26	
D. W. Smith	Passage of 5 seamen schr. "W. C. Warner" from Boston to St. John		15 00	
E. Gaskill	Passage of 3 seamen "Live Yankee" to St. John		6 75	
R. C. Elkin	Passage of seamen and expenses		18 20	
John A. Ingersoll	do schr. "Live Yankee" to St. John		2 25	
R. C. Elkin	do "Frank L." from Boston to St. John		5 76	
Jas. S. May	Clothing for seamen schr. "Water Lily"		42 50	
John Manning	Passage and expenses of 5 wrecked seamen of the schr. "Water Lily" to St. John		51 25	
Geo. Philps	Railroad tickets		23 17	
Jas. J. Brown	Passage of seamen from Chatham to St. John		7 00	
F. E. W. Pouliot	Medical attendance on seamen Buctouche		49 25	
W. G. Disbrow	Medicine and medical attendance		66 50	
Samuel Ferguson	Refund of travelling expenses		4 50	
Pacifique Leger	Boarding seamen schr. "Daddy"		12 00	
Samuel Raynard	Passage of seamen from Boston		30 00	
E. B. Chandler	Medicine and medical attendance		6 80	
R. Limond	do		10 00	
				645 89

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF PRINCE EDWARD ISLAND.

		$ cts	$ cts.
	MARINE HOSPITALS.		
	Charlottetown Hospital.		
The Grey Nuns	12 months allowance for medical attendance	400 00	
do	Boarding 22 sick seamen, 76¼, at $5	380 36	
			780 36
	Summerside.		
Dr. H. F. Jervis	12 months salary	150 00	
J. A. Gourlie	Medicine	7 63	
C. McElwin	Board	9 85	
			167 48
	Rustico.		
Dr. J. Gallant	Medical attendance		146 50
	Souris.		
J. G. McDonald	Board	3 00	
M. McLean & Co	Stores	2 52	
			5 52
	Crapaud.		
Dr. J. A. Covey	Medical attendance	32 30	
D. Murphy	Board	12 50	
			44 80
	Georgetown.		
Dr. Kaye	Medical attendance	12 35	
A. Glour	Board	16 00	
			28 35
	Tignish.		
Dr. J. H. McLellan	Medical attendance	17 00	
S. F. Arsenault	Board	4 50	
J. Gaudet	Horse hire	2 00	
			23 50
			1,196 51
	SHIPWRECKED AND DISTRESSED SEAMEN.		
Carvel Bros	Passage seaman to Boston	9 50	
D. D. Ryan	do Halifax	2 10	
			11 60

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF BRITISH COLUMBIA.

	MARINE HOSPITALS.	$ cts.	$ cts.
Thomas Wood	12 months salary as Keeper, Victoria	499 98	
do	Keep of patients, 191 weeks, at $5 per week, Victoria	955 00	
do	7 months washing, Victoria	31 00	
do	7 do ferry, at $4 per month, Victoria	28 00	
J. C. Davie, M.D.	18 do salary Medical Officer for Victoria	450 00	
D. L. Beckingsale, M.D.	15 do do Burrard Inlet	437 50	
D. Cluness, M.D.	6 do do Nanaimo	200 00	
Mary Cluness	Administratrix to estate of the late D. Cluness, M.D., salary from 1st October to 20th December	88 14	
L. T. Davis, M.D.	Salary Medical Officer for Nanaimo, from 20th December, 1886, to 30th June, 1887	242 21	
Donald Smith	Secretary Nanaimo Hospital, attendance and board of 14 sick seamen at Nanaimo, 63 weeks and 6 days, at $10 per week	652 63	
A. & W. Wilson	Repairing range, force pump, hot water, suction, and pipe leading from cistern, 12½ days labour, at $5, material, etc	148 56	
C. Roper	Reshingling Hospital	137 00	
do	do Veranda, repairing fences, water tank, etc	105 15	
Langley & Co	Drugs, etc	76 47	
R. Dunsmuir & Sons	16 tons coal, at $4.50	72 00	
H. C. Wiffen	5 cords of wood, at $4 75	23 75	
Clark & Nicholson	Stove with piping complete	22 30	
Geo. Stelly	10 loads of water, at $1.50	15 00	
J. Kinsman	Repairing cooking range, drains, etc	14 12	
W. McDowell	Drayage on 15 tons of coal	11 25	
Peoples Steamboat Co	Passage of sick seamen from Nanaimo	9 75	
E. & N. Railway	Fare of 3 do do at $3 each	9 00	
Ah Ham (Chinaman)	Cutting and splitting 5 cords of wood	8 75	
J. Gosnell	Soap, brooms, etc	7 50	
S. L. Kelly & Sons	Coal scuttle, saucepan, etc	6 63	
A. J. Rowbotham & Co.	Soap, brooms, etc	6 00	
McQuade Sons	10 galls. coal oil, at 37½ cents	3 75	
E. B. Marvin	Boiled oil, shovel, etc	2 10	
J. C. Smith	Sweeping 3 chimneys	3 00	
J. O'Brien	Conveying sick seamen from Hospital to wharf, Nanaimo	2 00	
R. J. Styles	Taking 2 sick seamen from railway to Hospital	2 00	
J. M. Gates	India rubber stamp	2 00	
T. Shotbolt	2 wash leathers	2 00	
			4,275 54

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Concluded.*

RECAPITULATION.

		$ cts.	$ cts
Ontario	Kingston Hospital—Annual Grant		500 00
Quebec	Montreal General Hospital	1,403 10	
do	do Notre-Dame Hospital	846 00	
do	Sick and Disabled Seamen	1,756 42	
do	Shipwrecked and Distressed Seamen	354 62	
do	Marine and Immigrant Hospital	19,706 96	
			24,067 10
Board of Trade, London.	To re-imburse Imperial Government for expenditure in behalf of wrecked Canadian Seamen		2,146 32
Nova Scotia	Marine Hospitals and Sick Seamen	9,872 77	
do	Shipwrecked and Distressed do	970 94	
			10,843 71
New Brunswick	Marine Hospitals and Sick do	8,596 37	
do	Shipwrecked and Distressed do	645 89	
			9,242 26
Prince Edward Island	Marine Hospitals and Sick do	1,196 51	
do	Shipwrecked and Distressed do	11 60	
			1,208 11
British Columbia	Marine Hospitals and Sick do		4,275 54
	REFUNDS.		52,283 04
H. W. Johnston	Portion of Dr. Harel's salary		20 83
			52,262 21

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 19

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Registry of Canadian Shipping, for the Fiscal Year ended 30th June, 1887.

		$ cts	$ cts.
Smith, Davis & Co	Inland Lloyds register of hulls	25 00	
American Shipmasters Association	1 copy of "American and Foreign Shipping"	15 00	
T. H. Sime	Bureau Veritas, £6.6s	30 66	
W. E. Derinzy	Services as extra clerk, 10 days, at $1.10	11 00	
			81 66
Queen's Printer	Printing and stationery		152 87
			234 53
	REFUND.		
W. H. Parsons & Co	Duty paid in error on books		1 40
			233 13

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 20

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Removal of Obstructions in Navigable Rivers, for the Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts
"L'Admistration"	Advertising for tenders to remove SS. "Ottawa"..	2 73	
"La Presse".....	do do ...	3 10	
Pierre Fradette.....	On account contract removal of do ...	3,000 00	
John Sheridan.....	Removing mast of sunken SS. "Finchley".....	120 00	
do	do wreck of schr. "Julia Wood".....	200 00	
S. T. Martin.....	do do str. "Dominion".....	715 00	
J. McAuley & R McKay..	do obstructions at mouth of Grand River...	150 00	
			4,190 83

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 21

To the Twentieth Annual Report of the Department of Marine, being Statement of Sick Mariners' Dues collected, for the Fiscal Year ended 30th June, 1887.

Quebec.	$ cts.
Gaspé	90 30
Magdalen Islands	20 60
Montreal	3,150 80
New Carlisle	281 58
Percé	89 48
Quebec	8,041 64
Rimouski	256 86
St. Armand	1 98
St. Johns	1,181 28
Sorel	33 12
Stanstead	32 36
Three Rivers	487 20
Total	13,667 20
New Brunswick.	
Bathurst	463 52
Campo Bello	9 19
Caraquet	10 82
Chatham	865 96
Dalhousie	477 76
Dorchester	33 06
Hillsboro'	251 92
Moncton	276 08
Newcastle	527 98
Richibucto	362 14
Sackville	277 88
Shippegan	8 48
St. Andrews	82 16
St. John	4,482 56
St. Stephens	46 76
Total	8,176 27
Nova Scotia.	
Amherst	463 25
Annapolis	188 80
Antigonish	20 18
Arichat	137 36
Carried forward	809 59

Nova Scotia—Concluded.	$ cts.
Brought forward	809 59
Baddeck	66 76
Barrington	41 16
Bridgetown	1 50
Cornwallis	32 60
Digby	131 82
Guysboro'	77 94
Halifax	6,538 74
Liverpool	130 80
Lockeport	119 68
Londonderry	66 70
Lunenburg	321 84
Margaretsville	8 64
North Sydney	1,695 38
Parrsboro'	1,049 00
Pictou	388 16
Port Hawkesbury	29 48
Port Medway	28 16
Shelburne	34 54
Sydney	3,079 74
Weymouth	161 24
Windsor	926 18
Yarmouth	270 62
Total	16,010 27
British Columbia.	
Nanaimo	2,467 58
New Westminster	568 90
Victoria	814 84
Total	3,851 32
Prince Edward Island.	
Charlottetown	526 00
Summerside	103 86
Total	629 86

RECAPITULATION.

Quebec	$13,667 20
New Brunswick	8,176 27
Nova Scotia	16,010 27
British Columbia	3,851 32
Prince Edward Island	629 86
Total	$42,334 92

F. GOURDEAU,
Accountant.

WM. SMITH,
Deputy Minister of Marine.

APPENDIX No. 22

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Rewards for Saving Life, Purchase of Lifeboats, etc., for the Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts.
L. Spafford	12 months salary to 30th June, 1886, Poplar Point.	75 00	
W. Ward	do to 1st May, 1886, Toronto	75 00	
H. McCullough	do to 30th June, 1886, Wellington	75 00	
D. Rooney	do to 1st May, 1887, Cobourg	75 00	
W. Babb	do to 1st Oct., 1886, Goderich	75 00	
P. Doherty	8 do 1st Oct., 1885, to 30th Nov., 1886, Collingwood	87 50	
A. Pollock	14 16/31 do 1st Oct., 1885, to 16th Dec., 1886 at $75 per annum, Port Stanley $30 73 Less—3 months' absent from duty 18 75	71 98	
Jas. Fitzgerald	3 do acting captain, Port Stanley	18 75	
Wm. Woodward	8 do to 31st Aug., 1886, Port Rowan	43 75	
do	Pay-list for drills—Port Powan	84 00	
L. Spafford	do Poplar Point	147 00	
H. McCullough	do Wellington	147 00	
W. Babb	do Goderich	147 00	
D. Rooney	do Cobourg	147 00	
P. Doherty	do Collingwood	178 50	
W. Ward	do Toronto	147 00	
A. Pollock	do Port Stanley	176 39	
J. W. McCully	do Port Rowan	42 00	
John Leslie	Watches, binocular glasses, etc.	1,131 73	
J. J. Bongard	Rent of boat house to 31st Dec., 1886, Poplar Point	36 00	
J. S. McCuaig	Building boat house, Poplar Point	339 21	
R. Hadden	Nails, white lead, etc. do	25 20	
G. B Jones	Rollers, glass, nails do	78 29	
The Rathbun Co.	Lumber do	214 19	
Moxon & Barker	Winch and tram-car do	27 46	
J. W. Fegan	Work at boat house do	20 00	
W. H Noble	Paid laborers' wages do	36 50	
L. Spafford	Timber do	33 00	
W. H Noble	Travelling expenses do	32 85	
George Steward	Repairs to boat house, Port Rowan.	34 88	
Queen's Dry Dock and Shipyard	7 months rent of boat house, Collingwood	10 50	
D. McCormick	Freight on lifeboat, Pelee Island	51 00	
"Gazette" Printing House	Advertising for tenders for boat houses.	2 64	
Goderich "Star"	do do do	3 30	
Essex "Review"	do do do	3 30	
"Planet" Steam Printing House	do do do	2 70	
"Enterprise Messenger"	do do do	3 30	
"L'Courrier" d'Essex	do do do	3 30	
M. Clarion	do do do	3 30	
George Cox	Engraving watches, etc	88 92	
D. Rooney	Searching for two boys	6 00	
J. Lavis	do do	6 00	
J. Slammon	do do	6 00	
D. Rooney, jr.	do do	6 00	
James Duffy	do do	6 00	
Thomas Hart	do do	6 00	
Wm. Oroake	do do	6 00	
W. S. Ives	Rescuing crew ex "Annie M. Cann"	80 50	
	Carried forward	4,116 94	

STATEMENT of Expenditure on account of Rewards for Saving Life, etc.—*Con.*

		$ cts.	$ cts.
	Brought forward	4,116 94	
John Jordan	Gratuity for saving some 150 lives	100 00	
O. H. Rungvist	Services rendered bark "Chili"	20 00	
D. Rooney	Expenses moving boat house, Cobourg	111 06	
H. McCullough	Caulking boat, repairs, etc., Wellington	54 55	
H. Green & Co.	Paints, nails, brooms etc. do	9 65	
H. G. Ostrander	Hauling lifeboat do	5 00	
Moxon & Barker	Winch, Wellington	12 50	
David Fleming	In full of contract building boat house, Collingwood	447 00	
The Rathbun Co.	Lumber, Wellington	24 60	
G. B. Jones	White lead, putty, etc., Wellington	10 54	
W. H. Noble	Travelling expenses do	22 50	
Charles Pontine	Caulking boat, Goderich	10 00	
John Corbett	On account, travelling expenses	70 00	
D. Burlingham	Rescuing crew, ex "Ida Walker"	2 00	
H. McCullough	do ex "Montezuma" & "Ida Walker"	15 00	
Howard Grant	do do	10 00	
Charles Jeffery	do do	10 00	
C. O. Burns	do do	10 00	
The Rathbun Co	Construction of 2 piers, Poplar Point.	107 44	
A. Ostrander.	Drawing material do	1 00	
P. F. Hicks.	Charges on lumber do	1 00	
W. McCullough	Rescuing crew ex "Butler"	10 00	
E. B. Bedett	do do	10 00	
R. C. Reynolds	do do	10 00	
W. W. Leavens.	do do	10 00	
L. Brown.	do do	10 00	
H. L. Curtlett	do do	10 00	
B. Palen	do do	10 00	
Ed. Clery	do do	10 00	
Henry Brady.	do ex "Embla"	15 00	
F. Parkinson.	do do	15 00	
P. Townsend.	do do	15 00	
Wm. Percival	do do	15 00	
L. Forsbury	do do	15 00	
Wm. Lewis.	do do	15 00	
Charles Rock.	do do	15 00	
H. Helgisen.	do do	15 00	
Jos. Arnoldson	do ex "Hants County"	15 00	
Chas. Brown	do do	15 00	
N. Nelson	do do	15 00	
John Johnson	do do	15 00	
Capt. Jas. Côte.	For rescuing F. Pelliteer.	10 00	
T. Roy	do	8 00	
E. Bernier	do	8 00	
C. Blanchet	do	8 00	
A. Miville	do	8 00	
T. Pelletier	do	8 00	
Owner brigt. "Screamer"	Rescuing crew ex schr. "Orient"	54 00	
B Connors	do ex "C. Graham"	10 00	
M. Duggan	do do	10 00	
M. McGrath	do do	10 00	
Wm. McGrath	do do	10 00	
Wm. Forban	do do	10 00	
James Scott	do do	10 00	
W. P. Anderson	Inspecting boat at Collingwood and Toronto	8 65	
D. A. McLaren	Amount contract building boat house at Goderich	500 00	
D. F. Williams	2 life-boats, at $575 each	1,150 00	
E. Rooney	Rendering assistance to schr. "Pandora"	3 00	
John McMann	do do	3 00	
James Duffy	do do	3 00	
James Hart	do do	3 00	
Chas. Lavis	do do	3 00	
Wm. Connors	do do	3 00	
Thos Hart.	do do	3 00	
John Lavis.	do do	3 00	
Acct. Board of Trade	Expenses 3 seamen ex "Salerno"	29 20	
	Carried forward	7,306 63	

TTATEMENT of Expenditure on account of Rewards for Saving Life, etc.—*Con*

		$ cts.	$ cts.
	Brought forward	7,306 63	
Acct. Board of Trade.....	Paid for repairs to watch.....	4 26	
do	Paid for services of 2 seamen of the "Deerhound," for services rendered crew of "Ermina"	38 93	
do	Paid for services rendered by captain and 1st officer of "Ryland" to crew of "Cornwallis"	58 40	
Wm. Babb	Rescuing 1 man ex "E. W. Rathbun"	5 00	
N. McIver.....	do do	3 00	
John McKay.....	do do	3 00	
D. McLeod.....	do do	3 00	
John McLean.....	do do	3 00	
			7,425 22
	REFUND.		
	Sale of binocular glasses to Fisheries Department.		61 28
			7,363 94

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 23

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Signal Service, for the Fiscal Year, ended 30th June, 1887.

			$ cts	$ cts.
H. J. McHugh	12 months salary as Inspector	$915 50		
do	6 do superannuation tax	9 50		
			925 00	
do	Travelling expenses		25 50	
E. Giroux et Frère	Olive oil		2 75	
"Morning Chronicle"	2 years subscription to 1st April, 1886		12 00	
S. J. Shaw & Co	Patent cotton rope		63 60	
A. J. Maxham	2 settees		7 07	
John McWilliams	Grading flag mast		9 48	
John Ashworth	Postage		26 06	
Bell Telephone Co	Rent 1 year to 1st July, 1887		43 00	
J. R. Cameron	Oil can and wicks		1 70	
A. Mills	Code lists 1885-86		3 00	
J. Sullivan	Labour		9 00	
T. S. Adams	Dominion Ensigns and Commercial Codes		174 41	
W. H. Thorne & Co	Rope		9 24	
Great N.W. Telegraph Co	Telegrams		2,047 03	
James Wilson	12 months salary to 31st March, 1887, Partridge Island		100 00	
A. Christie	Putting in winter sashes, St. John		14 92	
H. C. Seelye	Reconstruction of line to Swallow Tail Lt		48 87	
S. Lesage	Repairs to road between Metis and Gaspé		300 00	
Spottiswoode & Co	Supplements, lists, codes, etc		31 39	
John Corry	Services at Cape Race		50 00	
Canadian Fxpress Co	Freight code books		3 66	
Canadian Pacific Tel. Co	Telegrams		37 99	
J. E. LeBourdais	Allowance for reporting for 1886, L'Islet		50 00	
A. Richard	do Brandy Pots		50 00	
L. T. Puize	do Rivière du Loup		50 00	
J. McWilliams	do Father Point		50 00	
J. Martin	do Little Metis		50 00	
P. Desjardins	do Matane		50 00	
T. Côté	do Cape Chatte		50 00	
J. Gauthier	do Martin River		50 00	
F. Sasseville	do Cape Magdalen		50 00	
J. Ascah	do Fame Point		50 00	
J. Beck	do Cape Despair		50 00	
A. Bertrand	do Point Macquereau		50 00	
D. Tremblay	do Portneuf		50 00	
L. F. Fafford	do Point Traverse		50 00	
H. Phillips	do Cape Rosier		50 00	
J. G. Peters	do Low Point		50 00	
J. J. Brown	do 15th May to 15th November, 1886		18 00	
H. J. McHugh	Paid for telegrams, etc		279 92	
				5,043 59
Queen's Printer	Printing			38 58
				5,082 17

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 24

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Steamboat Inspection, for Fiscal Year ended 30th June, 1887.

			$ cts.	$ cts.
Samuel Risley	12 months	salary as Chairman of Board.	$1,764 00	
do	do	superannuation tax	36 00	
				1,800 00
W. J. Meneilley	do	salary as Deputy Chairman of Board, Toronto	$1,274 00	
do	do	superannuation tax	26 00	
				1,300 00
John Burgess	do	salary as Inspector, Montreal	$1,176 00	
do	do	superannuation tax	24 00	
				1,200 00
Joseph Samson	do	salary as Inspector, Quebec	$1,176 00	
do	do	superannuation tax	24 00	
				1,200 00
C. R. Coker	do	salary as Inspector, St. John.	$1,176 00	
do	do	superannuation tax	24 00	
				1,200 00
Thos. Harbottle	do	salary as Inspector, Toronto	$1,176 00	
do	do	superannuation tax	24 00	
				1,200 00
D. Stevens	do	salary as Inspector, Halifax	$1,176 00	
do	do	superannuation tax	24 00	
				1,200 00
Edward Adams	do	salary as Inspector, Kingston.	$1,029 00	
do	do	superannuation tax	21 00	
				1,050 00
E. R. Abell	do	salary as Inspector, Selkirk, Manitoba	$980 00	
do	do	superannuation tax	20 00	
				1,000 00
O. P. St. John	do	salary as Inspector, Toronto	$980 00	
do	do	superannuation tax	20 00	
				1,000 00
P. D. Brunelle	do	salary as Inspector, Quebec	$980 00	
do	do	superannuation tax	20 00	
				1,000 00
James Dick	do	salary as Inspector, Toronto	$784 00	
do	do	superannuation tax	16 00	
				800 00
W. A. Russell	6 5/11 do	salary as Inspector, British Columbia	$639 13	
do	do	superannuation tax	13 00	
				652 13
D. C. Nicholas	5 do	salary as Acting Inspector, British Columbia		552 00
Mary Vigor	Salary of late E. S. Vigor, for May, 1886, British Columbia			98 00
R. Collister	Inspecting 49 hulls, at $10, each			490 00
Samuel Risley	Travelling and incidental expenses			787 18
W. J. Meneilley	do	do		396 61
John Burgess	do	do		262 28
Joseph Samson	do	do		183 48
C. R. Coker	do	do		295 89
Thomas Harbottle	do	do		463 82
Douglas Stevens	do	do		497 78
Edward Adams	do	do		326 23
		Carried forward		18,955 40

STATEMENT of Expenditure on account of Steamboat Inspection—*Con.*

		$ cts.	$ cts.
	Brought forward	18,955 40	
E. R. Abell	Travelling and incidental expenses	217 93	
O. P. St. John	do do	407 14	
P. D. Brunelle	do do	267 28	
James Dick	do do	479 80	
W. A. Russell	do do	543 18	
D. C. Nicholas	do do	166 40	
George Cox	Engraving	80 00	
Montreal Water Works	Water rates, 1 year to 1st May, 1887	12 00	
T. F. Moore	9·5 tons coal, at $5	48 72	
P. M. Galarneau	Rent of office, to 1st May, 1887	200 00	
Victoria "Colonist"	6 months subscription	6 50	
Smith & Clark	Making desk	4 20	
D. W. Higgins	Printing letter heads	4 00	
T. N. Hibben & Co	Stationery	14 12	
Jacob Sehl	Repairing chair	3 50	
"Herald" Printing Co.	Advertising notices to mariners	1 25	
			21,411 42
Queen's Printer	Printing, etc		1,426 38
			22,837 80
	Inspection dues collected by Customs Department	11,630 20	
	Fees for examination of Engineers collected by Chairman of Board, and paid to credit of Receiver-General	1,071 00	
			12,701 20

WM. SMITH,
Deputy Minister of Marine.

F GOURDEAU,
Accountant.

APPENDIX No. 25

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Survey of Georgian Bay, for the Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts.
Comdr J.G.Boulton, R.N.	12 months salary, in charge of Survey	3,654 38	
W. J. Stewart	do to 31st May, 1887, as Assistant	908 33	
D. C. Campbell	do do 1887, as 2nd Assist.	654 20	
Capt. A. M. McGregor	do do 1887, as Master of Str. "Bayfield"	954 08	
John Nesbit	do do 1887, as 1st Engineer	800 04	
Wm. Linter	do do 1887, as 2nd do	480 00	
Commander J.G.Boulton	Paid wages of crew of Str. "Bayfield"	3,309 90	
do	do bonus to crew for good conduct	210 00	
do	do for board, washing, travelling expenses, freight, telegrams, etc	463 85	
Capt. A. M. McGregor	Travelling expenses	63 40	
W. J. Stewart	do	17 85	
Wm. Smith	do	17 25	
A. Duncan	Boarding crew	86 49	
G. C. Brignell	Meat	540 55	
Redfern & Lepan	Glass, oil, varnish	567 92	
H. Robinson & Co	Carpets, etc	64 37	
R. P. Butchart	Sheet rubber, oil, valves, etc	375 34	
A. J. Creighton	Mirrors, mattresses, etc	94 75	
Owen Sound Dry Dock Co	Repairs to Str. "Bayfield"	4,748 94	
G. Corbett & Sons	Fitting up engines	493 78	
W. F. Wolfe	Oilcloth, etc	56 53	
J. McLauchlan & Son	Groceries, butter, flour, etc	1,250 21	
E. S. Ritchie	Compass	32 00	
W. Brown & Co	136 tons coal, at $6.30, $861.85; 3·758 tons, at $6,50, $21.86; wood, $1.80	885 21	
J. P. Donaldson & Co	Hose, oil, etc	33 69	
J. & C, Noble	Tea, sugar, bread, freight, etc	128 16	
Patten & Maltas	Brooms, eggs	20 82	
Wm. Griffiths	Beef and ice	28 55	
W. B. Stephens	Crockery ware, globe, valve, etc	2 40	
Wm. Watson	9 days board	4 50	
Elliot Bros	Sextant, binocular glass, etc	71 05	
John McNeil	Washing	5 08	
Wm. Watson	6 days carpenter's work	8 00	
Parker & Co	½ dozen grenades	4 50	
John Black & Co	Chronometer	146 00	
R. H. Cogswell	Freight on chronometer	23 13	
McLeod Stewart	6 months rent of office, to 30th April, 1887	72 00	
Bishop & Paulin	White lead, turpentine	10 40	
Maitland & Rixon	Storage	11 70	
Parker & Evans	300 lbs. fluid boiler compound	30 00	
Wm. Marlton	Boat	155 00	
J. H. Jackman	Wood, lumber, freight	10 72	
			21,495 07
Queen's Printer	Printing, etc		138 80
			21,633 87
	REFUND		
J. G. Boulton	Cost coal used in towing American tug off rocks	17 00	
J. McLaughlan & Sons	Payment for goods taken back	24 32	
			41 32
			21,592 55

F. GOURDEAU,
Accountant.

WM. SMITH,
Deputy Minister of Marine.

APPENDIX No. 26

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure and Receipts on account of Water Police, Quebec, and Harbour Police, Montreal, for the Fiscal Year ended 30th June, 1887.

	Montreal.		$ cts.	$ cts.
H. St. A. Ormond	12 months salary as Agent of Department	$1,372 00		
do	do superannuation tax	28 00		
			1,400 00	
George Murphy	do salary as Chief of Police	$1,073 10		
do	do superannuation tax	21 90		
			1,095 00	
H. St. A. Ormond	do wages of Constables		10,787 68	
do	Pay list for good conduct, 3 men, 642 days, at 15c. each, $96.30; and 21 men, 5,965 days, at 25c., $1,491.25		1,587 55	
do	Paid for Chief's clothing		64 50	
do	Paid cleaning station, cab hire, coal, telegrams, freight, P.O. box, etc		382 76	
The "Herald"	Subscription to 31st December, 1886		14 50	
The "Gazette"	do		24 00	
L. C. Barney	Paint, oils, etc		27 05	
T. F. Moore	$18\frac{10}{100}$ tons coal, at $5.40		97 44	
P. M. Galarneau	Rent of station to 1st May, 1887		400 00	
Montreal Water Works	Water rates, 1 year to 1st May, 1887		24 10	
E. Chanteloup	12 dozens buttons		9 00	
P. O'Donoghue	40 patent leather belts		70 00	
James Shearer	Lumber		100 27	
P. Donnelly	Window blinds		30 00	
Brault Bros	Blouses, buckskin trousers, etc.		403 20	
Lorge et Cie	Hats		37 80	
Gault Bros	Ribbon		6 84	
D. Lepage	Trousers		72 00	
C. Charon	Boots		282 75	
Goodyear's Rubber Co	Coats		160 00	
"Gazette" Printing Co.	Printing on hat bands		3 00	
James Walker & Co	Hardware		69 58	
do	do		24 41	
Kenneth, Campbell & Co	Carbolic acid		4 05	
Bell Telephone Co	12 months rent to 1st October, 1887		83 00	
C. S. Gagnier	Wall paper, papering, etc		23 64	
Imperial Oil Co	$44\frac{76}{100}$ gallons oil, at 21 cts		9 40	
"Gazette" Printing Co.	Advertising for tenders for clothing		2 50	
"The Star"	do		2 50	
"Le Monde"	do		2 50	
"The Shareholder"	do		2 50	
"La Minerve"	do		2 50	
R. Watson	Examining and reporting on material for clothing		7 00	
H. Birks & Co	Clock		7 20	
J. L. Cassidy & Co	Gas globes		3 90	
James Power	Expenses owing to call from Quebec during riot		9 00	
L. Blouin	do do		9 00	
N. Guilmet	do do		9 00	
J. Fortin	do do		9 00	
J. Lebrun	do do		9 00	
J. Lebel	do do		9 00	
				17,378 12
Queen's Printer.	Printing, etc			35 35
				17,413 47

STATEMENT of Expenditure and Receipts on Water Police, Quebec, and Harbour Police, Montreal, etc.—*Continued.*

	Quebec.		$ cts	$ cts.
Benj. Trudel	12 months salary as Chief of Police and Shipping Master	$1,470 00		
do	12 months superannuation tax	30 00		
			1,500 00	
John Giblin	do salary as Deputy Shipping Master	$980 00		
do	do superannuation tax	20 00		
			1,000 00	
J. U. Gregory	Pay list wages of men		10,071 25	
do	do gratuity		1,856 00	
Renfrew & Co	Hats and caps		101 15	
E. Chanteloup	Buttons		48 00	
J. Cunningham	Shirts		36 00	
Foley & Co	Suits		1,248 38	
J. Hamel et Frères	Cloth		838 04	
Dolan & Co	Gold lace and badges		68 84	
B. Trudel	Uniform		50 00	
do	Boots		111 00	
A. P. Caron, et Cie	Cotton for shirts		82 43	
Queen's Wharf	Rent		200 00	
B. Trudel	Cartage and telegrams		37 03	
St. Lawrence Steam Nagation Co	Towing pontoon		20 00	
L. A. Blanchet	Petty expenses		21 05	
P. Waite	Washing towels		3 00	
J. Marmen	Cartage		28 90	
Richelieu Co	Passage of men		7 50	
J. J. Foote	Subscription to "Chronicle"		12 00	
Bell Telephone Co	Rent		40 00	
J. McCann	Cartage		3 00	
T. Berrigan	Carting snow		92 00	
A. G. Tourangeau	Rent of P. O. box		4 00	
"Gazette" Printing Co	Subscription, 2 years		12 00	
A. B Cherrier	Directory		5 00	
Hy. Black	Figure head and sheaves		13 00	
G. Bélanger	Repairing engines		47 00	
T. Routier	Blacksmith aud carpenters repairs		293 20	
G. T. Phillips	Brass and coppersmith repairs		215 74	
Hy. Quinn	Outfitting engine		59 00	
J. Cunningham	Life preservers and fenders		793 75	
P. Waite	Repairs and caulking		15 00	
Bisset Bros	Propeller and repairs		106 82	
Jno. Roche	Wintering pontoon		55 62	
L. Fitz Henry	Repairing pump		2 00	
L. Guérard	Chairs		10 50	
F. Gunn	150 tons coal, at $3		450 00	
do	do $4.50		675 00	
do	Rope		21 15	
A. Grant	Provisions, brooms, chimneys		104 07	
C. Dionne	51½ galls. seal oil, at 80 cts		41 20	
J. P. Déry	Ink and mucilage		5 25	
T. Delaney	Ice		4 00	
M. Dunn	Soap and tallow		89 79	
Dawson & Co.	Books		17 19	
Drum Cabinet Manufacturing Co	Boat hooks, etc		10 50	
J. Alexander	Spars		13 80	
Audet et Robitaille	Rope, canvas, etc		195 80	
Bisset Bros	Bearings and shaft		67 60	
Beaudet et Chinic	Paint, oils, brushes		209 94	
A. Boucher	Towage		4 00	
Bell Telephone Co	Rent		40 00	
T. Berrigan	Cartage		363 50	
J. Bédard	Boxes, cans, etc		36 65	
	Carried forward		21,457 64	

STATEMENT of Expenditure and Receipts on Water Police, Quebec, and Harbour Police, Montreal, etc.—*Concluded.*

		$ cts.	$ cts.
	Brought forward	21,457 64	
M. Couturier	Soap	11 70	
J. H. Clint	Lumber	50 31	
J. Cunningham	Pay list repairs	387 50	
W. Hunt & Son	Corkwood	8 64	
J. F. Hossack	Lamps and chimneys	7 20	
J. Lemieux	Locks and keys	4 00	
P. Pouliot	Boat	200 00	
S. Peters	Lumber	80 51	
O. L. Richardson	Leather	7 90	
R. Russell	Battons	45 00	
S. J. Shaw & Co	Paints, files, chisels, etc	504 84	
A. E. Vallerand	Chimneys, wicks and lamps	79 00	
L. Villeneuve	Potash	8 00	
A. B. Cherrier	Directories	10 00	
		22,862 24	
Queen's Printer	Stationery, etc	79 41	
			22,941 65
	REFUND.		
J. U. Gregory	Amount overpaid for boots		6 00
			22,935 65
	Summary.		
Total Expenditure, Montreal		17,413 47	
do Quebec		22,935 65	
			40,349 12
Receipts at Port of Montreal		10,450 98	
do Quebec		12,483 48	
			22,934 46
Excess of Expenditure over Receipts			17,414 66

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 27

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Winter Communication with Prince Edward Island, for Fiscal Year ended 30th June, 1887.

		$ cts.	$ cts
M. P. McElhinney	Pay list wages for January and February, 1887	1,908 17	
do	Paid for painting boats, expenses, etc	204 00	
A. Lord	Pay list wages, 1st March, to 23rd April, 1887	2,629 28	
Thomas Allan	Conveyance of mails	427 50	
T. C. Murray	Billing mails, commission on tickets	55 00	
J. B. Allan	do do	39 00	
A. R. Gordon	Travelling expenses	75 00	
Ritchie & Sons	Compass	26 97	
T. L. Chappelle	Expressage, stationery, etc	3 05	
J. Gaffney	Painting boats	30 00	
S. W. Crabbe	Solder, paint, oil	141 50	
Pritchard & Mingard	2 model daters	10 00	
R. Campbell	Labour and material at repairs	57 33	
A. Strang	do boarding men, etc	25 50	
do	Conveyance of mails	330 61	
Peake Bros. & Co.	Copper nails, coal, iron, etc	43 88	
D. Stewart	Biscuits	6 72	
Anglo American Telegraph Co.	Telegrams	34 79	
E. Muttart	Repairing boats	76 00	
J. J. Barry	Gratuity for services performed on Steamer "Neptune"	50 00	
Wm. Dillon	Material and packing 2 sails	13 00	
P. Deagan	5 cords wood	12 50	
M. Walsh	Fog-horns, stovepipe, etc	18 50	
Jas. Howatt	Blacksmith's repairs	7 71	
do	Conveyance of mails	49 98	
Examiner Publishing Co.	Printing pay sheets	2 50	
			6,278 4[illegible]
Queen's Printer	Printing		34 4[illegible]
			6,312 9[illegible]

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 28

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT OF PROGRESS OF GEORGIAN BAY SURVEY DURING THE SEASON OF 1887.

OTTAWA, 3rd November, 1887.

The Honourable
The Minister of Marine and Fisheries.

SIR,—I have the honour to report that the winter of 1886–87 was fully occupied in drawing for the engraver a chart of that portion of the north-east shore of Georgian Bay comprised between Byng Inlet and Collins' Inlet, also especial plans of French River and Clapperton Channel.

Sailing directions to accompany these charts were written and printed as a supplement to the "Georgian Bay Pilot."

While fitting out the vessel at Owen Sound in the past spring, I erected beacons outside the harbour by which masters of vessels can, if they choose, obtain the errors of their compasses on the eight principal points, the particulars of which were conveyed to the Department in my letter of the 9th of May.

On the 10th of the same month I left Owen Sound with a party of twenty-nine officers and men, arriving at Spanish River on the 12th, where I disembarked my first assistant with his boat's crew—the vessel being too small to accommodate the whole party—and they remained under canvas until the end of September in various camps between Spanish River and Algoma Mills, sketching in the coast and sounding that shore.

Between the 13th and 28th of May I was working in the vicinity of Byng Inlet, on the north-east shore of Georgian Bay, completing the work which the persistently bad weather had compelled me to relinquish in the previous autumn. The completion of the survey of this portion of the coast was much retarded by ice and fogs.

The remainder of the season was employed in extending the survey westward from Clapperton Island, in obedience to your instructions. The district surveyed embraces all that portion of the north channel of Lake Huron lying between the above mentioned island and Meldrum Point, near Mississauga Straits, including Mudge Bay, which the survey has shown to be one of the best anchorages in the world, there being space and depth enough to accommodate the whole British fleet.

In the course of the survey several shoals not shown on the old chart have been discovered, while at the same time broad stretches of deep water have been found to exist, which, together with the development of several good harbours on the south shore, will, when the Canadian Government has completed the excavation at Little Current, and the United States that at Hay Lake near Sault Ste. Marie, encourage its adoption as the great highway between the south-eastern ports of Georgian Bay and Lake Superior. The continuous windy weather, alternated by smoke, during the months of September and October, will necessitate the first fortnight of next spring to be spent in the same locality before the chart is ready for transmission to the hydrographer for engraving.

The number of lineal nautical miles sounded in three open boats was 1,600, while the steamer did 1,280. The number of miles of coast line surveyed was 417.

The longitude of the western portion of the work was connected with the accurately determined position of Point Detour lighthouse by the United States Government.

During the unusually hot season Mr. Stewart and his camp party were for a few days prostrated by sickness, which might have resulted in a greater delay to the work had it not been that a medical man was close by.

On the 26th ultimo the vessel returned to Owen Sound.

I would respectfully request to be informed, at as early a date as convenient, of what portion of Georgian Bay or North Channel of Lake Huron you wish the work to be carried on next summer.

I have the honour to be, Sir,
Your most obedient servant,

J. G. BOULTON,
Staff Commissioner, R. N., and Admiralty Surveyor.

APPENDIX No. 29

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT ON THE MARINE AND IMMIGRANT HOSPITAL AT QUEBEC, FOR THE FISCAL YEAR ENDED 30TH JUNE, 1887.

MARINE HOSPITAL,
QUEBEC, 14th August, 1887.

The Honourable
The Minister of Marine and Fisheries.

SIR,—The trustees of the Marine and Immigrant Hospital have the honour to submit the following Annual Report:—

The expenses incurred for the maintenance of the hospital during the fiscal year ending the 30th June, 1887, amounted to $19,141.79. Of this sum $17,054 was a charge on the Dominion Government, the balance, namely, $2,087.67, was met as follows:—

Grant of the Province of Quebec	$1,866 67
Rent of Beach Lots Nos. 1 and 2	120 00
Board of patients for year ending 31st December, 1886.	99 00
Sale of ashes	2 00
	$2,087 67

The report of the resident physician on the admissions, discharges and deaths which have taken place in the hospital during the year can be summed up as follows:—

Number of patients remaining in the hospital on the 30th June, 1886	41	
Number of admissions	507	
		548
Number of discharges	489	
Number of deaths	25	
Number of patients remaining in hospital on the 30th June, 1887	34	
		548
Total number of days' attendance in hospital		13,088
Average " " "		24
Rate per cent. of mortality		4·0

The trustees have again this year availed themselves of the opportunity offered them by the reduced number of admissions to complete the changes they had contemplated in the furnishing and bedding of the hospital. They accordingly purchased twenty-five iron bedsteads with spring beds and mattresses and a proportionate number of sheets, blankets and quilts. Notwithstanding all these purchases and a

large amount of indispensable articles of *lingerie*, the trustees, thanks to a wi economy, have been able to reduce, by more than $800, the expenses of the hospit for this year as compared with the amount expended last year.

All of which is respectfully submitted.

P. WELLS, M.D.,
Secretary.

RETURN OF PATIENTS TREATED IN THE QUEBEC MARINE AND IMMIGRANT HOSPITA DURING THE YEAR ENDING 30TH JUNE, 1887.

1. Remaining in hospital 1st July, 1886—

Seamen	9
Immigrants	7
Residents	25

2. Admitted from 1st July, 1886, to 30th June, 1887—

Seamen	176
Immigrants	47
Residents	284

3. Total treated during the year—

Seamen	185
Immigrants	54
Residents	309

4. Discharged—

Seamen	157
Immigrants	52
Residents	280

5. Died—

Seamen	8
Immigrants	1
Residents	16

6. Remaining 30th June, 1887—

Seamen	20
Immigrants	1
Residents	13

7. Number of days in hospital—

Seamen	3,249
Immigrants	967
Residents	8,872

L. CATELLIER, M.D.,
Resident Physician, M. & I. Hospital.

APPENDIX No. 30

To the Twentieth Annual Report of the Department of Marine, being Statement of Revenue derived from Harbours and Piers paid to the credit of the Receiver-General, for the Fiscal Year ended 30th June, 1887.

Name of Pier.	Province.	Amount.
		$ cts.
St. John's	Quebec	58 00
Sorel	do	66 50
Kingsville	Ontario	463 29
Morpeth	do	9 43
Goderich	do	2,502 50
Cow Bay	Nova Scotia	1,858 07
Maitland	do	25 38
Canard	do	13 23
Port Maitland	do	43 89
Hantsport	do	20 30
Chatham	New Brunswick	29 50
Meteghan	do	144 26
Vernon River	Prince Edward Island	169 29
Bay View	do	55 00
Georgetown	do	173 35
Montague	do	239 27
Pownall	do	105 67
Sturgeon River	do	36 68
Newport	do	33 84
Pinette	do	13 38
Annandale	do	178 77
Murray Harbour	do	16 00
Kier's Shore	do	81 27
Belfast	do	96 50
Victoria Pier	do	1 00
China Point	do	37 50
Clifton	do	7 00
Picket Wharf	do	79 86
St. Mary's Bay	do	61 43
Brush Wharf	do	255 36
Cardigan Bridge	do	95 25
		6,985 77

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 31

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE BEING REPORT OF THE DECAYED PILOT FUND OF QUEBEC FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

QUEBEC, 31st December, 1887.

SIR,—I have the honour to forward herewith a statement of the receipts and expenditure of the Decayed Pilot Fund of Quebec for the year ended 31st December 1887.

The total receipts of the Corporation of Pilots for the present season of navigation amount to.....	$119,123 39
And the total expenditure to	21,458 45
Leaving a net balance of.....	$ 97,664 94
To be distributed between 158 practising pilots, giving each a net dividend of.....	$ 618 13
One hundred and fifty-two foreign vessels paid.....	$ 18,803 59
And 770 British vessels paid.....	$110,319 80

I have the honour to be, Sir,

Your most obedient servant,

F. X. DION,
Secretary-Treasurer.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots, for the Decayed Pilot Fund of Quebec, during the Year 1887.

RECEIPTS.	$ cts.	$ cts.
To Balance of 1887	1,796 15	
Percentag on contribution of pilots	8,484 89	
Interest on investments	3,073 00	
Interest—Savings Bank	40 20	
		13,394 24
EXPENDITURE.		
By Pensions	11,104 73	
Relief	56 00	
Salaries	500 00	
Deposit in Savings Bank	1,600 00	
Balance on hand	133 51	
		13,394 24
PILOTS RELIEVED BY THE FUND.		
One Pilot.		
Frédérick Boufford		56 00
PENSIONERS AT THE EXPENSE OF THE FUND.		
AMOUNT PAID TO EACH DURING THE YEAR, FROM THE 1ST NOVEMBER, 1886, TO THE 1ST NOVEMBER, 1887.—PAID FROM THE 31ST DECEMBER, 1886, TO THE 31ST DECEMBER, 1887.		
Eighteen Pilots at $110.		
Paul Blouin	110 00	
Frédérick Bernier	110 00	
Laurent Tremblay	110 00	
Dominique Girard	110 00	
François Vézina	110 00	
François Jos. Pouliot	110 00	
Yves Sylvestre	110 00	
Thomas Després	110 00	
Marcel LeBel	110 00	
Pierre Pepin *dit* Lachance	110 00	
Chas. Bernier, died 19th January, 1887	24 13	
Hilaire Jouvin	110 00	
Chas. Dumas, superannuated 15th September, 1887	8 50	
Joseph Pepin	110 00	
Louis Laprise, died 21st December, 1886	15 25	
Louis Dugal, arrears	27 50	
do for the year	110 00	
Chas. Nolet, superannuated 17th October, 1887	4 58	
Paul Langlois, superannuated 1st December, 1886	100 83	
		1,610 79
Ten Pilots at $101.		
Maurice Pepin	101 00	
. X. Lachance	101 00	
François Thivierge	101 00	
Isaïe Marticotte	101 00	
Joseph Morency	101 00	
Prudent Narmen, died 15th March, 1887	37 87	
Edouard Labrèque	101 00	
Narcisse Forgues	101 00	
Jean Coulombe	101 00	
Dominique Verrault	101 00	
		946 87
Carried forward		

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—*Continued.*

	$ cts.	$ cts.
Brought forward		
PENSIONERS AT THE EXPENSE OF THE FUND—*Continued.*		
Seven Pilots at $92.		
Amable St. Laurent	92 00	
Edouard Demers	92 00	
J. Bte. Paquet (on account)	46 00	
Clovis Antil	92 00	
Abraham Després	92 00	
Alexis Vézina	92 00	
L. Olivier Leclerc	92 00	
		598 00
Four Pilots at $90.		
Jean Lavoie, died 11th December, 1886	19 75	
Pierre Gourdeau	90 00	
Josepe Lavoie	90 00	
Ovide Dick, superannuated 24th September, 1887	17 12	
		216 87
Four Pilots at $88.		
F. X. Corriveau	88 00	
Joseph Lapointe	88 00	
François Pelletier	88 00	
Antoine Roussel	88 00	
		352 00
Two Pilots at $86.		
Alexis Roy	86 00	
Célestin St. Pierre	86 00	
		172 00
Three Pilots at $82.		
Siméon Plante	82 00	
F. X. Ménard	82 00	
Michel Vézina (arrears)	41 00	
do (on account)	61 50	
		266 50
Five Pilots at $79.		
Pierre Charest	79 00	
François Côté	79 00	
Léandre Raymond	79 00	
Paul Pouliot	79 00	
J. Léon Roy	79 00	
		395 00
One Pilot at $47.		
James Forbes (arrears)	11 75	
do for the year	47 00	
		58 75
WIDOWS OF PILOTS.		
Sixteen Widows at $68.		
Widow of Jacques Tremblay (on account)	51 00	
do Charles Brown	68 00	
do J. Bte. Dion	68 00	
do Charles Chouinard	68 00	
Carried forward		

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—*Continued.*

	$ cts.	$ cts.
Brought forward		
PENSIONERS AT THE EXPENSE OF THE FUND—*Continued.*		
WIDOWS OF PILOTS—*Continued.*		
Sixteen Widows at $68—Concluded.		
Widow of L. Jos. Lavoie	68 00	
do Chas. Pouliot	68 00	
do Maxime Caron (on account)	51 00	
do Edouard Petitgrew	68 00	
do Alexis Pelletier	68 00	
do Edouard Antil, died 26th March, 1887	27 38	
do Alex. Vaillancourt	68 00	
do Edouard Marcoux	68 00	
do Alexis Delisle	68 00	
do J. Bte. Bourget, died 20th March, 1887	33 23	
do Chas. Bernier, superannuated 19th January, 1887	53 26	
do Louis Laprise, superannuated 21st December, 1886	58 55	
		954 42
Fifteen Widows at $64.		
Widow of Pierre Ruelland	64 00	
do Paul Larochelle	64 00	
do Jean Gobeil	64 00	
do Joseph Raymond	64 00	
do Jean François Lamarre	64 00	
do Robert Demers	64 00	
do Pierre Laprise	64 00	
do Michel Morin	64 00	
do F. X. Delisle	64 00	
do Barth. Lachance	64 00	
do Hubert Dumas	64 00	
do Cyprien Langlois	64 00	
do J. Bte. Turgeon, died 20th December, 1886	8 88	
do Michel Guénard, superannuated 7th November, 1886	62 84	
do Jean Lavoie, superannuated 11th December, 1886	57 06	
		896 88
Thirteen Widows at $62.		
Widow of C. J. Adam	62 00	
do Michel Fournier	62 00	
do Gabriel Plante	62 00	
do Paschal Dick	62 00	
do Nicholas Fortier	62 00	
do Pierre Gourdeau (A.F.)	62 00	
do J. E. Adam	62 00	
do Marcel Côté	62 00	
do Bénonie Normand	62 00	
do Damase Babin	62 00	
do J. M. Plante	62 00	
do Amable Genest (on account)	46 50	
do François Rioux	15 50	
do do for the year	46 50	
		790 50
Sixteen Widows at $60.		
Widow of Félix Caron	60 00	
do David Cinq-Mars	60 00	
do Jean Giroux	60 00	
do Pierre Gourdeau (A.N.)	60 00	
do Joseph Dussil	60 00	
do Jean Marcoux	60 00	
Carried forward		

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—*Continued.*

	$ cts.	$ cts.
Brought forward		
PENSIONERS AT THE EXPENSE OF THE FUND—*Continued.*		
WIDOWS OF PILOTS—*Continued.*		
Sixteen Widows at $60—Concluded.		
Widow of Thomas Connell	60 00	
do J. Bte. Patoine	60 00	
do Pierre Curodeau	60 00	
do J. Bte. Tremblay	60 00	
do Magloire Mercier	60 00	
do Louis Crépault	60 00	
do François Nadeau	60 00	
do Antoine Boucher	60 00	
do Edouard Vaillancourt	60 00	
do Vital Charest (on account)	45 00	
		945 00
Sixteen Widows at $58.		
Widow of Edouard Chevalier	58 00	
do Thomas Dick	58 00	
do Denis Glynn	58 00	
do Wm. Irvine	58 00	
do Fabien Langelier	58 00	
do Julien Langlois	58 00	
do J. Bte. Laroche	58 00	
do A. Lavoie (L.M.)	58 00	
do Henri Lavoie	58 00	
do Firmin Lévesque (arrears)	14 50	
do do (on account)	43 50	
do Henri Noël	58 00	
do Frédérick Simpson	58 00	
do Joseph Simpson	58 00	
do Pierre Ross	58 00	
do J. Bte. Caron	58 00	
do Amable Fournier (on account)	14 50	
		884 50
Fifteen Widows at $56.		
Widow of L. Asselin (M.L.)	56 00	
do Grégoire Bernier	56 00	
do Germain Caron	56 00	
do Jean Dion	56 00	
do Jean Pelletier	56 00	
do C. F. Kœing	56 00	
do Ovide Lachance	56 00	
do L. Langlois (E.D.)	56 00	
do Antoine Michaud (arrears)	28 00	
do do (on account)	28 00	
do Pierre Normand	56 00	
do David Petitgrew	56 00	
do Benj. Pineau	56 00	
do John Simpson	56 00	
do Joseph Lévesque (on account)	14 00	
do Pierre S. Laprise, superannuated 27th July, 1887	14 77	
		756 77
Seven Widows at $48.		
Widow of Paul Blouin	48 00	
do François Boissinot, died 3rd April, 1887	20 40	
do Célestin Côté	48 00	
do P. Desrosiers,	48 00	
Carried forward		

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—*Continued.*

	$ cts.	$ cts.
Brought forward		
PENSIONERS AT THE EXPENSE OF THE FUND—*Concluded.*		
WIDOWS OF PILOTS—*Concluded.*		
Seven Widows at $48—Concluded.		
Widow of F. X. Lachance	48 00	
do Abraham Royer	48 00	
do Edouard Turgeon	48 00	
		308 40
Seven Widows at $40.		
Widow of André Keable	40 00	
do Jacques Dandurand	40 00	
do Guil. Morency	40 00	
do Magloire Rioux	40 00	
do Pierre Rouleau	40 00	
do J. B. Servant	40 00	
do Henri Perreault	40 00	
		280 00
Thirteen Widows at $38.		
Widow of Fabien Caron	38 00	
do Magloire Côté	38 00	
do R. Côté *alias* Urbain (arrears)	9 50	
do do (on account)	28 50	
do Antoine Fortier	38 00	
do L. Langlois (arrears)	9 50	
do do (for the year)	38 00	
do Pierre Michaud	38 00	
do Thomas McNeil	38 00	
do Antoine Raymond	38 00	
do George Simard	38 00	
do Lonis Thivierge	38 00	
do Alfred Turgeon	38 00	
do Alexis Vézina, superannuated 6th August, 1887	8 97	
		436 47
SIXTEEN CHILDREN OF PILOTS.		
David Charest (infirm) 1	11 25	
Hilaire Couillard (arrears) 1	7 50	
do (for the year) 1	15 00	
D. (Gervais) Charest died 21th April, 1887, 1	12 10	
do (arrears)	3 75	
Neil Asselin (arrears) 2	6 88	
do (on account) 2	19 14	
Wm. Petitgrew (infirm) 2	27 50	
Thomas Boutin do 1	15 00	
Pierre Toussaint do 1	15 00	
F. Dupuis do 1	15 00	
N. Fortin do (arrears) 1	15 00	
do do (on account) 1	7 50	
Jos. Jahan do 1	15 00	
B. Pineau do (arrears) 1	15 00	
Isaac Forbes do 2	27 48	
Edouard Rousseau, reached his 15th year, 16th July, 1887, 1	6 91	
		235 01
		11,104 73
RECAPITULATION OF PENSIONS.		
18 Pilots, at $110	1,610 79	
10 do 101	946 87	
28 Carried forward		

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—*Continued.*

	$ cts.	$ cts.
28 Brought forward		
RECAPITULATION OF PENSIONS—*Concluded.*		
7 Pilots at $ 92	598 00	
4 do 90	216 87	
4 do 88	352 00	
2 do 86	172 00	
3 do 82	266 50	
5 do 79	395 00	
1 do 47	58 75	
54 Pilots.		
16 Widows at $68	954 42	
15 do 68	896 88	
13 do 62	790 50	
16 do 60	945 00	
16 do 58	884 50	
15 do 56	756 77	
7 do 48	308 40	
7 do 40	280 00	
13 do 38	436 47	
118 Widows.		
16 Children at $15, $12, $10	235 01	
188 Pensioners	11,104 73	11,104 73
CREDIT.		
RECEIPTS—DETAILS.		
To Balance of 1886	1,796 15	
Syndics of the Quebec Roads: 1 year's interest on $22,800, at 6 per cent., 1st July, 1887	1,368 00	
The City of Quebec: 1 year's interest on $9,000, at per cent., on 1st July, 1887	630 00	
Treasury Department: 1 year's interest on $20,000, at 5 per cent., on 1st July, 1887	1,000 00	
Estate of P. Boisseau: 1 year's interest on $1,000, at 6 per cent., on 26th January, 1887	60 00	
The Corporation of Pilots: 1 year's interest on $3,000, at 5 per cent	15 00	
The Savings Bank: Interest received on current account, to 25th May, 1887	40 20	
Receipts from the Corporation of Pilots	8,336 30	
do Captains, Pilots	148 59	
		13,394 24
DEBIT.		
PENSIONS, RELIEF, &c., PAID DURING THE SEASON OF 1887.		
By Relief	56 00	
Arrears of Pensions to 31st December, 1886	167 88	
do do	15 25	
Amount of Pay-List of Pensions for quarter ended 31st January, 1887	2,835 21	
do do do 30th April, 1887	2,756 07	
do do do 31st July, 1887	2,686 89	
do do do 31st October, 1887	2,643 43	
Salaries of the Treasurer and Assistant	500 00	
Deposits in Savings Bank	1,600 00	
Balance on hand	133 51	
		13,394 24

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—*Concluded.*

STATEMENT OF FUND.	$ cts.	$ cts.
Moneys loaned	53,352 71	
Amount in Savings Bank	1,600 00	
do Secretary Treasurer's hands	133 51	
	55,086 22	
To deduct arrears of pensions due at this date	306 71	
		54,779 51

E. & O. E.

F. X. DION,

QUEBEC, 31st December, 1887. *Secretary Treasurer*

We, the undersigned certify to having minutely examined the books and accounts of the Decayed Pilot Fund of Quebec and having found them correct.

JOSEPH G. DUPRÉ, NAZAIRE CURODEAU, } *Auditors.*

THOMAS BOISSINOT, *Accountant.*

APPENDIX No. 32

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT OF THE METEOROLOGICAL SERVICE FOR THE CALENDAR YEAR, ENDED 31st DECEMBER, 1887.

METEOROLOGICAL OFFICE,
TORONTO, January, 1888.

The Honourable
The Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to submit herewith my annual report of the Meteorological Service for the calendar year 1887, being the seventeenth report on this service.

During the past year the following places were added to our list of stations:—

Ontario.

Class II—

Wanstead.....A. E. Wark.
Alton .....W. J. Dods.
Charlinch.....C. J. Tisdall (from Class III.)
Sombra. .....W. S. Howell.
Ingersoll.....Rev. E. C. Saunders, B.D.

Class III—

Warkworth.....T. W. Canlan.
Norwich.....W. J. Stover.

Nova Scotia.

Class II—

Antigonish .....C. E. Gregory.*

Manitoba.

Class II—

Elkhorn .....A. D. Joliffe.

British Columbia.

Class II—

Clinton.....M. S. Wade, M. D.
Kamloops.....E. H. Jones.
Barkerville.....Hugh Watt, M.D.

North-West Territories.

Class II—

Banff.....G. MacLeod.

* Since handed over to the Principal, St. Francis Xavier College, Antigonishe.

The following stations ceased to observe for the reason stated against each : —

Ontario.

Class I—

Port Dover.....Observer deceased.

Granton..... .... { Observer ceased on account of old age.

Beeton..... .....Ceased observing.

Quebec.

Class II—

Danville..... .....Observer deceased.

Labrador.

Class I—

Fort Chimo.....Instruments out of order.

It is with much regret that I have to record the deaths of Mr. Henry Morgan, of Port Dover, Ont., who died 30th December, and Mr. C. J. Devey, of Danville, Que., who died 18th December. Both these gentlemen were connected with the Service from its inception and the latter gave his services gratuitously for a period of seventeen years, during which time he regularly furnished this office with meteorological returns.

I also regret to have to mention the closing of Granton Station, owing to the advanced age of our observer, Mr. James Grant, who, since April, 1873, has had charge of a station of the first class, which involved the taking of observations four times daily. My thanks are due to Mr. Grant for having so long continued this work without remuneration, and for having throughout forwarded reports carefully made out and exceptionally free from errors.

On the 15th December I received a letter from Mr. Alexander Marling, Secretary of the Education Department of the Province of Ontario, informing me that the allowance made to the High Schools under Grammar School Act, 16 Victoria, chapter 186, section 16, would be discontinued after the end of the year, and this was reported to the Department on the same day that the imformation was received.

The loss of observations from these stations will leave an important blank in the statistical imformation which has hitherto been collected by this office.

The work performed by the Bureau of Industries of the Province of Ontario, and by the Department of Agriculture of the Province of Manitoba remains in much the same condition as stated in my last report.

To the interest taken in the work by Mr. Blue of the Bureau of Industries of the Province of Ontario and by the Honourable The Minister of Agriculture of the Province of Manitoba, the Service is indebted for much assistance in obtaining such climatological statistics as effect the agricultural interests of the Dominion.

Respecting the stations along the line of the Canadian Pacific Railway; the frequent changes of the officials at these stations seriously militates against what otherwise would be a valuable collection of statistics : but notwithstanding this defect the observations from these stations are of considerable value, in regions where owing to sparse settlement it is difficult to obtain observers other than the station agents. Self registering thermometers have been supplied to some of these stations as also to several stations in Parry Sound and Muskoka Districts.

Storm Signal Service.

Nearly eleven hundred warnings of approaching storms have been issued during the year, and the number of verifications is particularly satisfactory, 972 having been verified out of 1,093 warnings issued, being 88·9 per cent, as shown by Table No. 1.

On the 21st and 22nd of October the severest storm of the fall prevailed throughout the Maritime Provinces, reaching almost to the force of a hurricane in the Gulf of St. Lawrence. The warning of the approach of this storm was given from this office several hours before its arrival, and the signals were up in good time.

A terrific gale swept over the Maritime Provinces on the 28th and 29th of December, which was also felt on the lakes and throughout Eastern Canada. It caused considerable damage to shipping, even in the harbours of St. John and Halifax. All stations at which navigation was open were warned at midnight on the 27th. The storm commenced on the following evening.

The heaviest storms on the lakes occurred on the 3rd and 22nd of October. Both storms were duly warned, but unfortunately the warning for the first of these storms was delayed in transmission; nevertheless, in some cases the warning was received in ample time, and in all cases from six to twelve hours before the storm became severe.

In addition to the force the predictions of the direction from which the winds were expected have been separately examined, with the following results:—

Out of 972 predictions of directions, when the force was as expected, 79·1 per cent. have been fully verified, and 93·2 per cent. fully or partly verified.

TABLE No. I.

The following table shows the total number of storm warnings issued, and the percentage verified:—

Year.	No. issued.	No. verified.	Percentage verified.
1877	743	510	68·6
1878	860	673	78·3
1879	712	591	83·0
1880	889	736	82·8
1881	854	727	85·1
1882	841	658	78·2
1883	1,085	858	79·1
1884	798	663	83·2
1885	830	741	89·3
1886	906	799	88·2
1887	1,093	972	88·9

Probability Service.

Forecasts of the weather have been issued continuously during the year, and published in the newspapers in the Provinces for which predictions are issued, in addition to being posted at the telegraph offices.

Frequent demands have been made by Manitoba and the North-West Territories for weather probabilities, and I have repeatedly urged the necessity of giving these places the advantage of being kept informed of approaching changes in the weather.

The importance of having forecasts of alterations of temperature in these parts of the Dominion cannot be over-estimated, but it is impossible to supply anything like reliable information unless sufficient funds are appropriated for this service.

The weather signals carried on the railway cars for the benefit of the farming community have been regularly issued and duly appreciated, not only by those for whose benefit they are especially issued, but by the general public as well, and the thanks of the people are due to the several executive heads of the railway companies whose hearty co-operation and prompt attention to irregularities, when reported, has been the means of perfecting this convenient mode of disseminating indications of

weather. The year 1887 has been no exception to the preceding years regarding the demand for special predictions. These enquiries come from all over the Dominion, and from persons engaged in all kinds of pursuits.

Request was made by leading citizens of Montreal to have the weather probabilities posted in numerous and conspicuous places there, and owing to the courteous assistance of Mr. H. P. Dwight, general manager of the Great North Western Telegraph Company, I have been enabled to respond to this request, though not to such an extent as I should wish, by having bulletins of the weather placed outside all the telegraph offices, and also hung up at the post office.

Some of the Montreal newspapers have also asked for and received special weather forecasts.

Letters have been received from some of those for whom special predictions have been made, expressing their thanks and referring to the value of the predictions, whilst others have shown their appreciation of them by applying again and again whenever they had special reason for desiring to know what the weather was to be.

The following is an extract from a letter of Mr. John Kennedy, Chief Engineer of the Harbour Commissioners of Montreal, and refers to a special prediction :—

" Many thanks for the information already supplied ; your last prediction enabled me to start a tug and troublesome tow from Quebec yesterday with a feeling of safety, and this is an instance of the practical value of such information."*

I may quote also a letter from Mr. J. Gairdner, our storm signal agent at Bayfield, dated 29th December, 1887, referring to the ordinary daily predictions :—

"The fishermen of this place were greatly benefited by your weather bulletins these few weeks past. This is the first time they have tried the fishing so late in the season. They set their nets by the bulletins and have not lost one."

Predictions of snow storms have also been issued for the use of the railway companies, and latterly forecasts of thaws have been asked for and given.

In previous reports attention has been called to the necessity which exists for establishing a telegraph station at Tobermory.

Appended is a table (N° 11) showing the number of predictions and percentage of fulfilment in each district in each month of the year, of the ordinary daily probaiities, which is very satisfactory.

*This was concluding a letter asking for further forecasts of weather.

TAB

NUMBER of Predictions and Percentage of Fulfilm

Month.	Lower Lake Region.						Upper St. Lawrence.						Lower St. Lawrence.					
	Number issued.	Verified.					Number issued.	Verified.					Number issued.	Verified.				
		Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly		Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly		Number fully	Number partly	Number not	Percentage fully	Percentage fully
January	150	116	22	12	77·3	92·0	131	93	24	14	71·0	89·3	122	93	17	12	76·2	9
February	122	98	18	6	80·3	95·1	113	95	14	4	84·1	96·4	109	91	11	7	83·5	9
March	120	79	22	19	65·8	84·2	112	79	15	18	70·5	83·9	118	93	11	14	78·8	8
April	130	102	19	9	78·5	93·1	114	83	23	8	72·8	93·0	100	74	16	10	74·0	9
May	116	101	10	5	87·1	95·7	109	98	8	3	89·9	97·2	106	82	8	16	77·4	8
June	112	98	10	4	87·5	96·4	110	86	11	13	78·2	88·2	106	81	13	12	76·4	8
July	121	108	8	5	88·1	95·9	116	95	13	8	81·9	93·1	104	79	14	11	76·0	8
August	102	90	6	6	88·2	94·1	97	87	7	3	89·7	96·9	92	77	6	9	83·7	9
September	99	72	13	14	72·7	85·9	95	74	12	9	77·9	90·5	90	78	7	5	86·7	9
October	117	98	15	6	82·1	94·9	105	85	15	5	81·0	95·2	97	77	11	9	79·4	9
November	103	80	17	6	77·7	94·2	105	88	13	4	83·8	96·2	101	84	11	6	83·2	9
December	116	95	14	7	81·0	94·0	106	73	18	15	68·9	85·8	104	70	17	17	67·3	8
	1408	1135	174	99	80 6	93·0	1313	1036	173	104	78·9	92·1	1249	979	142	128	78·4	89

each District, in each Month, and in the whole Year.

	Gulf.					Maritime.					Total.				
	Verified.						Verified.					Verified.			
	Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly	Number issued.	Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly	Number issued.	Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly
22	89	16	17	73·0	86·1	134	89	24	21	66·4	84·3	659	480	103	76	72·8	88·5
15	84	19	12	73·0	89·6	118	96	18	4	81·4	96·6	577	464	80	33	80·4	94·1
15	82	15	18	71·3	84·3	123	90	15	18	73·2	85·4	588	423	78	87	71·9	85·2
08	73	20	15	67·6	86·1	109	75	21	13	68·8	88·1	561	407	99	55	72·5	90·2
05	83	17	5	79·0	95·2	104	83	13	8	79·8	92·3	540	447	56	37	82·8	93·1
09	80	20	9	73·4	91·7	106	80	16	10	75·5	90·6	543	425	70	48	78·3	91·2
05	79	17	9	75·2	91·4	111	92	15	4	82·9	96·4	557	453	67	37	81·3	93·4
92	70	15	7	76·1	92·4	92	74	12	6	80·4	91·3	475	398	46	31	83·8	93·3
90	68	16	6	75·6	93·3	86	72	8	6	83·7	93·0	460	364	56	40	79·1	91·3
97	81	10	6	83·5	93·8	95	75	14	6	78·9	93·7	511	414	65	32	81·0	93·7
99	80	11	8	80·8	91·9	104	89	8	7	85·6	93·3	512	421	60	31	82·2	93·9
97	71	11	15	73·2	84·5	104	80	14	10	76·9	90·4	527	389	74	64	73·8	87·9
54	940	187	127	75·0	89·9	1286	995	178	113	77·4	91·2	6510	5085	854	571	78·1	91·2

Telegraph Signal Service.

I have again to request the attention of the Minister of Marine and Fisheries to the desirability of establishing telegraph stations in British Columbia. Telegraph stations in that Province would render much assistance to this service. Additional stations will have also to be added if probabilities are to be issued for the Province of Manitoba, and for portions of the North-West Territory.

Central Office.

It is with regret that I have to report the death of Mr. Thomas Menzies, who departed this life on the 12th May. Mr. Menzies was the senior observer in the service, having been one of the original members of the staff of the Observatory when it was founded here by Lieut. Riddell, R.A., in the year 1840, and he continued on active duty until a few weeks before his death, having devoted nearly half a century of his life to this service, and having rendered material assistance to it, especially in its early existence, not only by his observations, but by his mechanical skill, in which he excelled.

His position was filled by order of the Minister of Marine and Fisheries, by his son Mr. William Menzies, who had previously been employed on the supernumerary staff for about thirteen years.

Lieut. Gordon, Deputy Superintendent, has been engaged entirely outside this service during the past year.

I cannot conclude my remarks under this head without again inviting the attention of the Honourable the Minister of Marine and Fisheries to the fact that my staff still remains outside the benefits of the Superannuation Act, and that they are, as far as I know, the only large governmental staff to which this privilege is denied.

I would recommend that the salaries of the staff be increased by yearly increments until a fixed maximum is reached, instead of the present method of granting an increase by special application, a most unsatisfactory plan, which does not in my opinion work well, and which has been abandoned by the Royal Society in England in paying the salaries of the staff of the Meteorological office in London, a system of yearly increases being substituded for that previously in vogue.

The members of my staff perform their duties with diligence, zeal and ability, and are entitled to every consideration at the hands of the Government.

Time Service.

The method of performing this work, together with a table showing the discordances at the different Observatories, will be found in my report on the Magnetic Observatory.

The report on the St. John Observatory forms Appendix A.

The report on the Quebec Observatory forms Appendix B.

The report on the McGill College Observatory, Montreal, is attached herewith.

Chief Signal Office, United States Army.

I regret to have to mention another death, that of Major General William B. Hazen, Chief Signal Officer of the Army of the United States, who died on the 16th January at Washington, after having held the position of Chief Signal Officer for about six years.

I cannot pass over the death of my illustrious colleague without bearing tribute to his courteous consideration, on all occasions, of this service, and to his earnest zeal and ability in furthering the interests of science. He is succeeded in office by Brigadier General A. W. Greely, rendered famous as the commander of the late United States Polar Expedition. It was to succour this expedition that Her

Majesty's Government fitted out the "Alert," since handed over to the Dominion Government, which vessel, under the command of Lieut. Gordon, was employed in the last two Hudson Bay expeditions.

Brigadier General A. W. Greely has, since his appointment, furnished this office, with all such reports as I have had occasion to ask for, and our thanks are due to him for his endeavours to prevent such changes as have been found necessary in the United States Signal Service from giving unnecessary annoyance or trouble in this office, in connection with the interchange of telegraphic reports.

Volunteer Observers.

The service is much indebted to this class of observers, who, in the interest of their country and of science, devote their time gratuitously to this work. Many offers have been received from persons in all walks of life (including several members of the medical profession), to take meteorological observations in connection with this service, but owing to the limited amount that can be expended in the purchase of instruments, many of these volunteer offers had to be refused, and much useful information thus lost.

Great North-Western Telegraph Company.

The company has conducted the work in its usual efficient manner during the year, and the thanks of the service are due to the officers of the company, who have succeeded in making the work of this branch of the service so perfect.

Publications.

A review of the weather is published monthly, giving a general *résumé* of the weather, with tables of atmospheric pressure, temperature, precipitation and other meteorological data, received from our stations throughout the Dominion, and also an analysis of the results of the daily weather forecasts, and of the storm warnings. To it is each month appended an account of the changes which have taken place in the magnetic elements. About 800 copies of this review are distributed every month. An annual report of the Meteorological Service is also published, but it is to be regretted that it is several years behind, the report for the year 1884 is the last one published; that for 1885 being not yet out of the hands of the printers.

Library.

There are two libraries, one for the Meteorological Service and one for the Magnetic Observatory, as the two services are distinct and supported by separate grants of Parliament. The number of volumes comprising the Meteorological Library is 1,722 and the number in the Magnetic Observatory 762; total 2,484. This number appears to be small, but when it is taken into consideration that the works are nearly all on the same subject, namely, that of meteorology, the apparent paucity of numbers is accounted for.

These libraries have been formed almost entirely by donations and exchanges, as owing to lack of funds the purchase of books has been nearly *nil*, and much needed and valuable works that should have a place in the library, have had to be dispensed with.

New catalogues have been made out for ready reference, the volumes re-arranged and those needing it have been bound, and much care and attention has been given to the library work lately, which has occupied a not inconsiderable portion of the time of one of the staff.

Inspection of Stations.

Forty-five meteorological and telegraph stations have been inspected during the

year by the inspectors of the Service, as follows:—By Inspector Payne, in the Maritime Provinces: Point du Chene, Dorchester, Sackville, Pictou, New Glasgow, Point Hastings, Antigonish, Halifax, Yarmouth, Digby, St. John, Point Lepreaux, St. Andrews, Woodstock, Grand Falls, Parker's Ridge, Chatham and Bathurst.

By Inspector Stupart, in Ontario: Sudbury, Cartier, Heron Bay, Schreiber, Nepigon, Fort William, Kaministiqua, Dexter, Ignace, Whitemouth, Hawk Lake, Eagle River, Savanne, White River, Missinabie, Chaplin, Biscotasing, North Bay, Port Arthur, Rockliffe; and in Manitoba, Winnipeg.

By Inspector Webber, in Ontario: Parry Sound, Bala, Sprucedale, Burk's Falls, Lynch Lake and Gravenhurst.

These form but a small number of the stations that should be visited. Stations of the first class should be inspected annually, and all stations biennially. Inspection is an absolute necessity to insure efficiency. The accuracy of the instruments at the various stations depends on comparison made by inspecting officers, who are provided with standards for that purpose. This applies more especially to instruments at telegraph stations, for if these are not verified from time to time, errors are likely to occur, which, at a critical time, may so mislead the officers making weather predictions as to seriously affect the public.

It is the duty of the inspecting officer also to instruct the observers in the performance of their work. Although each observer is supplied with a book of instructions, still there are many points that can best, perhaps, only be demonstrated practically.

If the instruments at stations were perfectly correct, and the various observers thoroughly conversant in their duties, a vast amount of labor would be saved in correspondence and in making corrections in the office records at the central office.

All of which is respectfully submitted.

CHARLES CARPMAEL,
Director.

APPENDIX "A."

REPORT ON THE ST. JOHN OBSERVATORY.

St. John Observatory, 31st December, 1887.

Sir,—I have the honour to submit my annual report for the year ending 31st December, 1887.

The meteorological work at this Observatory has been regularly attended to. Readings of the different instruments have been made and recorded as formerly, viz, 3:44, 7:36, 14:44, A.M.; 3:44, 7:44, 11:44 P.M., local time.

During the year the meteorological instruments and apparatus were inspected by Mr. Payne of the Toronto Observatory and comparisons made with the standard instruments.

Ship masters keeping a meteorological record have called at the Observatory to have their instruments compared and in every case have received careful attention.

The time service has received careful attention. Observations of the standard stars are made with the transit telescope for the determination of clock errors and rates. It being impossible to have the sidereal clock in transit room, observations are timed with the mean time chronometer, which is also used for giving the daily time signal to the shipping by dropping time ball at 1 p.m., local time. Comparisons are made with the mean time and sidereal clocks before and after observing. Daily comparisons are also made before dropping the time ball and from these comparisons the chronometer error is computed.

The storm signals when ordered up from Toronto have been promptly displayed at the Signal Station.

I have the honour to be, Sir,
Your obedient servant,

GEORGE HUTCHINSON,
Director.

APPENDIX "B."

REPORT OF THE QUEBEC OBSERVATORY.

Quebec Observatory, Quebec, 5th January, 1888.

To the Superintendent
Meteorological Office, Toronto.

Sir,—In accordance with your request, I have to report that the duties at this Observatory have continued as in the past, with a slight increase in the extent, not the nature of the duties themselves, in connection with the meteorological part of the service.

In other respects there has been no change, unless it be in an increasing accuracy in the "time service," a very important step in which direction might be attained by the adoption of the electric light as the time giving signal in the place of the present means in those situations where its adoption might not be attended with too large an expense.

I have the honour to be, Sir,

Your obedient servant,

W. A. ASHE,
Director.

APPENDIX "C."

REPORT ON THE McGILL COLLEGE OBSERVATORY, MONTREAL FOR THE YEAR ENDING 31st DECEMBER, 1887.

To The Honourable
The Minister of Marine.
Ottawa.

MONTREAL, 3rd January, 1888.

SIR,—I have the honour to present the report on this Observatory for the year now closed, being my fourteenth annual report.

Meteorologicol Observations.—Theregular meteorological Observations, as specified in my report for last year, have been carried forward without interruption The results have been published in the Montreal *Gazette* and have also been distributed by private circulation among institutions and persons interested. A summary for the year is appended hereto. The instruments employed are those enumerated last year, and their exposure has not been changed in any way.

Time Service.—Complete sets of Observations for the determination of clock errors were made on 121 nights, in the manner detailed in my report for 1884 During the season of navigation the time-ball for the use of shipping was dropped at noon of the 75th meridian. I have pleasure in reporting that since certain changes were made in the arrangement of the dropping mechanism last spring there has not been a single failure in dropping the ball. Time signals have also been distributed over the city and country in the manner described in former reports. Exchanges of clock signals with the Toronto Observatory have been made on twenty-four nights, during the year. After correcting for known errors and for personal equation, the average of the differences obtained between the mean time clocks of the two observatories is $0{\cdot}24^s$ and the greatest difference on any one night $0{\cdot}53^s$ The result of the year's comparisions shows that the probable error of the time as given by one Observatory, at any time, as compared with that given by the other is $0{\cdot}18^s$. The exchanges on ten nights were found to be favorable to the measurement of wave-time, and give a mean result of $0{\cdot}02^s \pm 0{\cdot}002^s$ for the distance between the two Observatories, about 335 miles.

Personal Equation.—In connection with the investigation of personal equation, referred to in my report for last year, observations have been made by Mr. E. H. Hamilton and myself on 21 stars between the equator and N. 87°, and on 7 stars

between N. 93° and N. 103°. A set of ten transits of each star was obtained, and two such sets were generally observed in an evening. All the work has been reduced, but the data thus collected are not sufficient to permit any statement of results.

Solar Photography.—Some fairly good photographs of the sun have been obtained, but on the completion of certain changes which are being made in the photoheliograph, and by employing slower plates than those hitherto used, much better results will be obtained. It has been decided to produce only four inch photographs, as that diameter is best suited to the objects in view.

Soil Temperatures.—Preparations have been in progress for some time and are now nearly completed, for a series of observations—to be made at this Observatory—on the temperature of the soil at various depths. The cost of the necessary apparatus and fittings has been met by a grant of $200, made by the committee of the "Elizabeth Thompson Fund" to the Montreal Natural History Society, for the purpose of investigating soil temperatures at Montreal. It is proper to state that this fund was established by Mrs. Elizabeth Thompson, of Stanford, Connecticut, U.S.A., "for the advancement and prosecution of scientific research, in its broadest sense." Professor Penhallow, B. Sc., representing the Natural History Society, is associated with me in this work.

I have pleasure in reporting the appointment of Mr. E. H. Hamilton, B. A. Sc., by the University, as assistant in the Observatory.

Respectfully submitted,

C. H. McLEOD,
Superintendant, McGill College Observatory.

SUMMARY OF METEOROLOGICAL

McGILL COLLEGE OBSERVA

Height above sea level, 187 feet. Latitude N.

Month.	Thermometer.					* Barometer.				† Mean pressure of vapor.	‡ Mean relative humidity.
	Mean.	¶ Deviation from 13 year means.	Maximum.	Minimum.	Mean daily range.	Mean.	Maximum.	Minimum.	Mean daily range.		
January	6·78	— 4·67	40 2	—25·9	20·4	29·9795	30·635	29·215	·377	·0620	85·6
February	13·97	— 1·84	45·3	—11·1	17·5	30·1622	31·006	29·079	·480	·0789	82·0
March	19·55	— 3·79	41·8	—11·9	14·8	29·9068	30·962	29·188	·259	·0920	77·8
April	35·46	— 4·04	56·4	8·0	15·4	29·9714	30·616	29·195	·246	·1465	67·5
May	61·06	+ 6·35	85·5	40·1	20·5	29·9981	30·351	29·554	·114	·3147	57·9
June	66·25	+ 1·77	86·7	50·3	71·1	29·9512	30·342	29·650	·155	·4523	70·2
July	73·48	+ 4·29	90·4	56 3	17·3	29·9130	30·169	29·502	·131	·5676	69·3
August	65·94	— 1·55	87·9	49·6	17·7	29·9277	30·342	29·653	·135	·4235	66·0
September	56·38	— 2·31	79·8	38·2	17·0	30·0105	30·447	29·266	·210	·3135	67·5
October	43·30	— 2·50	63·0	21·5	13·3	29 9652	30·617	29·373	·226	·2183	73·0
November	30·09	— 1·73	56·5	— 0·5	13·1	30·0137	31·058	29·311	·285	·1327	76·2
December	16·84	— 1·54	40·3	—12·2	10·6	30·1282	31·133	29·301	·262	·0919	83·1
Sums for 1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means for 1887	40·76	— 0·96	.....	.....	16·2	29 9938	.....	.....	·240	·2412	73·1
Means for 13 years ending Dec. 31, 1887	41·72	.....	.....	.....	.....	29·9750	.....	.....	.....	·2502	74·3

* Barometer readings reduced to 32° Fahr., and to sea level. † Inches of mercury. ‡ Saturation
been *lower* than the average for 13 years, inclusive of 1887. The monthly means are derived from
and wind vane are on the summit of Mount Royal, 57 feet above the ground, and 810 feet above sea
The greatest heat was 90·4 on July 4th; greatest cold 25·9 below zero on January 9th; extreme
on January 20th; least range was 2·1 on Nov. 15th. The warmest day was July 4th, when the mean
below zero. The highest barometer reading was 31·133 on December 1st, the lowest was 29·079 on
11th. The greatest mileage of wind recorded in one hour was 66 on February 11th, and the greatest
136,061. The resultant direction of the wind for the year is S. 67·5° W., and the resultant mileage
storms on 10 days, and lightning without thunder on one day. Lunar halos on 14 nights. Lunar
sleighing of the winter closed, in the city, on April 14th. The first appreciable snowfall of the
The barometer reading, 31·133, is the highest recorded here during the 13 years over which the
ture for May and July are the greatest recorded for these months, and that for July is the highest
The rainfall is the least for any one year in the past 13, and the snowfall only exceeded in quantity

OBSERVATIONS FOR THE YEAR 1887.

TORY, MONTREAL, CANADA.

45° 30′ 17″. Longitude 4h. 54m. 18·54s. W.

Mean dew point.	Wind. Resultant direction.	Wind. Mean velocity in miles per hour	Sky clouded, per cent.	Per cent. possible bright sunshine.	Inches of rain.	Number of days on which rain fell.	Inches of snow.	Number of days on which snow fell.	Inches of rain and snow melted.	Number of days on which rain *and* snow fell.	Number of days on which rain *or* snow fell.	Month.
3·3	S. 43° W.	18·37	66	29·1	1·41	7	50·1	21	6·08	4	24	.....January.
9·2	S. 67° W.	20·87	63	40·6	0·79	2	34·1	16	4·57	2	16	.....February.¶
13·6	S. 62° W.	18·18	58	48·4	0·11	4	31·1	15	3·33	2	17	.....March.
25·3	S. 79° W.	18·18	53	58·3	3·02	11	Inapp.	1	3·02	.....	12	.....April.
44·5	S. 83° W.	14·62	59	66·1	1·26	6	.....	.....	1·26	.....	6	.....May.
55·5	S. 51° W.	12·73	56	58·1	2·41	12	.....	.....	2·44	.....	12	.....June.
62·1	S. 60° W.	12·35	54	62·5	2·66	16	.....	.....	2·66	.....	16	.....July.
53·3	S. 80° W.	12·36	58	66·8	1·72	9	.....	.....	1·72	.....	9	.....August.
45·2	S. 66° W.	13·89	70	49·5	1·32	12	.....	.....	1·32	.....	12	.....September.
34·8	S. 58° W.	14·10	70	35·1	2·93	15	3·1	5	3·24	2	18	.....October.
23·0	S. 75° W.	16·26	73	33·3	1·76	9	25·9	14	4·54	6	17	.....November.
12·6	N. 80° W.	15·06	67	25·0	1·93	6	24·9	13	5·08	1	18	.....December.
.....	.....	.....	.....	.....	21·35	109	169·2	85	39·26	17	177	Sums for 1887.
31·9	S.67°.5 W.	.....	62·2	47 7	.....	.....	.....	.....	3·27	.....	.....	Means for 1887.
.....	.....	.....	61·0	§46·7	26·90	131	125·3	85	39·44	16·1	200	Means for 13 years ending Dec. 31, 1888.

100. § For 6 years only. ¶ "+" indicates that the temperature has been *higher;* "—" that it has
readings taken every 4th hour, beginning with 3h. 0m. Eastern Standard time. The anemometer
level.
range of temperature was therefore 116·3. Greatcst range of the thermometer in one day was 41·5
temperature was 79·38. The coldest day was January 9th, when the mean temperature was 16·1
February 27th, giving a range of 2·054 for the year. The lowest relative humidity was 11, on May
velocity in gusts was at the rate of 80 m. p. h. on October 24th. The total mileage of wind was
57,6°0. Auroras were observed on 29 nights. Fogs on 30 days. Hoar-frost on 13 days. Thunder
coronas on 6 nights. Parhelia on 2 days. Lunar rainbow on July 6th. Hail fell on 7 days. The
autumn was on October 23rd. The first sleighing of the winter was on November 11th.
present series of observations extend. The humidity 11, is the lowest recorded. The mean tempera-
monthly mean on the records. The mean temperature of April is the lowest record for that month.
by that of 1885. The total precipitation is very nearly normal.

APPENDIX "D."

REPORT OF THE MAGNETIC OBSERVATORY.

MAGNETIC OBSERVATORY, TORONTO, January. 1888.

The Honourable
The Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to submit herewith my annual report for the year 1887.

Observations for the re-determination of the latitude of the Observatory have been continued during the early part of the year, principally by transits in the prime vertical of E Aurigae, a star which culminates only a few seconds south of the zenith of the transit pier. The result of these, as well as numerous observations of other stars, seem to confirm the conclusion arrived at from the observations taken during the previous year and a combination of the various results of the two years would give a resultant latitude some ten seconds greater than that which has been in use.

During the year, seven solar transits and observations of stars in the meridian for time on 96 days were taken at the Toronto Observatory, in which 352 stars have been observed. The positions of the stars as given in the "Berliner Yahrbuch" have, as formerly, been used in the reductions.

Numerous determinations of the collimation error of the transit instrument have been made, chiefly by micrometrical measurements on the cross wires in the collimating telescope.

The meteorological and magnetic work has been continued as in previous years, and the preparation of the tabular matter for the report of the work during the year July, 1882, to July, 1883, has been continued, but owing to the insufficiency of the staff it is not yet completed.

The death of T. Menzies, observer, and the appointment of his son, William Menzies, to succeed him has been noticed in my report of the Meteorological Service.

TIME SERVICE.

The exchanges of time between the observatories at Montreal, Quebec, St. John and the Toronto Observatory have been carried on throughout the year at intervals of about a fortnight, the comparisons being registered on the chronograph.

The errors of the clock at Toronto and the different time-pieces used by the observers are computed from the latest observations.

The examination of the clock and chronometer comparisons and observations sent in from the observatories at Quebec and St. John has been performed.

The following table shows the differences between the time as determined at Toronto and the time as given by the various exchanges. The sign + indicates that the time at stations is faster than at Toronto:—

1887.	Montreal.	Quebec.	St. John, N.B.
	s.		s.
January 7	+ 0·89	.....	— 0·19
do 12	+ 0·55	+ 1·32	+ 1·44
do 21	+ 0·28	.....	— 0·19
February 2	— 0·19	.....	+ 1·11
do 17	+ 0·71	+ 2·26	+ 0·28
do 28	+ 0·69	+ 1·82	+ 1·51
March 16	+ 0·39	+ 3·12	.....
do 29	+ 0·46	.....	— 0·32
April 15	— 0·05	+ 1·28	+ 0·55
do 28	+ 0·56	+ 1·45	+ 3·15
May 17	+ 0·61	.....	.....
do 20	.....	+ 0·17	+ 1·32
do 31	.....	— 0·73	+ 1·95
June 15	+ 0·06	— 0·57	+ 1·58
do 29	— 0·10	— 0·06	.....
July 12	.....	.....	— 0·26
do 28	+ 0·54	+ 0·09	+ 1·51
August 10	+ 0·58	+ 1·03	— 5·85
do 25	— 0·18	— 0·61	+ 5·43
September 12	— 0·02	+ 0·12	.....
do 22	+ 0·17	+ 0·31	— 0·08
October 12	+ 0·10	+ 0·40	.....
do 27	+ 0·19	+ 1·05	— 1·93
November 9	+ 0·52	.....	— 0·56
do 21	+ 0·77	— 1·70	+ 2·20
December 8	+ 0·16	.....	— 2·26
do 22	+ 0·48	+ 0·16	— 0·60

All of which is respectfully submitted.

CHARLES CARPMAEL,
Director.

APPENDIX "E."

REPORT OF THE KINGSTON OBSERVATORY.

KINGSTON, 16th December, 1887.

SIR,—I have the honor to submit, for the information of the Minister of Marine and Fisheries, the following report of the Kingston Observatory:—

The projected alterations in the foundation of the transit piers mentioned in last report have been carried out, and the supports of the instrument are now in point of stability all that can be desired, the indications of the level showing scarcely any variation from day to day, summer or winter. The ground also on which the Observatory is built has been thoroughly drained, and the dome and the slits in the transit room have had a double coat of paint.

The sidereal clock formerly used has been replaced by one made by Fauth & Coy, Washington, with gravity escapement and mercurial compensation pendulum. It has now been tested for more than a year, and I am happy to say that on examining the published reports of the rate of going of the clocks in the most celebrated observatories, its performance does not appear to be inferior to any. It gives me great satisfaction. Another very valuable addition to the timekeepers is a new mean time clock with similar escapement and compensation, which has been constructed and presented to the Observatory by Professor Dupuis, of Queen's University. Its daily rate of error is very small and remarkably steady.

Daily observations for time, as well as other observations, have been constantly made since last report.

I am, Sir,

Your most obedient servant,

JAS. WILLIAMSON,
Director Kingston Observatory.

WILLIAM SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

APPENDIX No. 33

To the Twentieth Annual Report of the Department of Marine, being a Statement relative to the Life-Boat Stations maintained by the Dominion Government in Canada.

Station.	When Established	Coxswain.	Number of Crew.	Salary of Coxswain.	Remuneration of Crew.	Value of Boat.	Description of Boat.	Equipment and if Boat-house at Station.	Where Built	Expenditure for fiscal year ended 30th June, 1887.	Services rendered during season of 1887.
						$ cts				$ cts	
Cobourg, Ont	7 Nov., 1882	Daniel Rooney	6	$75 p. annum and $1.50 for each drill.	$1.50 each drill twice a month during season of navigation	575 00	Self-righting and self-bailing, 25 feet over all, 8 feet beam, Dobbins' pattern.	Full equipment of oars, life preservers, etc. Boat-house at this station.	Goderich	375 06	
Collingwood, Ont	21 Sept., 1885	P. Doherty	6	do	do	575 00	do	do do	do	276 50	
Devil's Island, N.S.	1885	Light keeper		Not fixed	Not fixed	575 00	do	do do	Dartmouth, N.S.	14 64	
Duncan Cove, N.S.	1886	R. G. Monk		do	do	575 00	do	do do	do	75 80	
Goderich, Ont	21 Oct., 1885	Wm. Babb	6	$75 p. annum and $1.50 for each drill.	$1.50 each drill twice a month during season of navigation.	575 00	do	do do	Goderich	1,179 00	Assisted schr. "T.V Taylor" into harbor on night of 18th September, 1887. Saved cargo of abandoned vessel "Norris," 26th October, 1887. At same time saved part of outfit of wrecked scow "Lady Elgin."
Poplar Point, Ont	20 April, 1883	Leroy Spafford	6	do	do	550 00	Self-righting and self-bailing, 26 feet long, 6 feet beam, Dobbins' pattern.	do do	Buffalo	1,174 14	Saved crew and schr. "Glenora" in November, 1887.
Port Stanley, Ont	25 June, 1885	Wm. Berry	6	do	do	575 00	Self-righting and self-bailing, 25 feet over all and 7 ft. beam, Dobbins' pattern.		Goderich	267 12	
Pelee Island, Ont	1887	S. Mahoney		do		575 00	do	do do	do	51 00	
Sable Island, N.S.	1885	Supt. Humane Establishment.	From staff of Humane Establishment.	Paid as superintendent and staff of Humane Establishment.		575 00 each.	* Two boats, description as above, Dobbins' pattern.	do do	Dartmouth, N.S.		
Scattarie, N.S.	1885	Light keeper	No organized crew.			575 00	Same as other self-righting, etc., boats. Dobbins' pattern.	Full equipment and boat-house.	Dartmouth, N.S.	348 55	
Toronto	Prior to 1885 ordinary life boat at this station. 1 March, 1883	Wm. Ward	6	$75 p. annum and $1.50 for each drill.	$1.50 each drill twice a month during season of navigation	575 00	do	do	Goderich	222 00	Saved 8 men from drowning, 10th July, 1887.
Wellington	17 do 1883	H. McCulloch	6	do	do	1400 00	do	Full equipment of oars, life-preservers, rudder life-lines, etc.	Buffalo	261 34	Rescued captain and crew of schr. "Hannah Butler," and on storm abating put them on board again. In another storm, however, vessel and cargo were lost, captain and crew fortunately being saved.
Yarmouth, N.S.	1886	Light keeper at Cape Fourchu	No organized crew.			575 00	do	Full equipment and boat-house in course of erection.	Dartmouth, N.S.	79 75	

In addition to the self-righting and self-bailing boats above alluded to, the following description of boats are used at the undermentioned stations :—

Cape Sable, N.S		Light keeper					Metallic life boat, 16 feet keel, 5 feet beam.	Ordinary outfit.			
Herring Cove		J. Dempsey					Metallic life boat, 28 feet keel, 6 feet beam.	Full equipment	New-York		
Mud Island		H. Williams					Fishing boats.			80 00	
Port Rowan, Ont	19 Oct., 1883.	J. W. McCall	8	$75 p. annum and $1.50 for each drill.	$1.50 each drill		Surf boat, 26 feet long, 6½ feet beam.	Full equipment and boat-house.	Buffalo	204 63	
Port Hope, Ont		Harbour Master				298 00	Life boat, 16 feet keel, 5 feet beam.	do			
Seal Island, N.S.	1880.	Light keeper	No organized crew.	$120.00			Wooden life boat canoe built, 26 feet long, 6 feet beam.	do		195 50	
St. Paul's Island, N.S.		Supt. Humane Establishment.					Two surf boats, one 25 feet over all, 6½ feet beam, the other 23 feet over all, 4 feet 8 inches beam.	do	St. Paul's Island		

Besides above mentioned life boats, life canoes are stationed in Quebec, as under:—

Father Point	1875	E. Chamard	6	$5 p. annum		128 00		12 paddles, 2 boat hooks and painter. Has boat house.	Quebec		
Ile aux Grues	1875	Jos. Painchaud	6	do		128 00		do	do		
Kamouraska	1875	R. Leblanc	6	do		128 00		do	do		
L'Islet	1875	J. B. Dussault	6	do		128 00		do	do	28 25	
Murray Bay	1875	T. Desroches	6	do		128 00		do	do	12 30	
Rivière du Loup	1882	D. Raymond	6	do		128 00		do	do		
†Rivière Ouelle	1886	G. Mercier	6	do		108 00		do	do	40 00	
Ste. Anne	1875	P. Lafrance	6	do		128 00		do	do		
St. Jean Port Joly	1875	L. D. Babin	6	do		128 00		do	do		
Trois Pistoles	1875	D. Damour	6	do		128 00		do	do	7 00	

* One of these boats is at the Main Station with a metallic boat and surf boat and rocket apparatus; the other with an ordinary life boat, fully equipped at the East end Station.
† This canoe was first stationed here in 1875, but was removed to Rivière du Loup in 1882, it being considered more serviceable at the latter place. In 1886, a new canoe was built and stationed at this place, costing $20 less than former one.

WM. SMITH,
Deputy Minister of Marine.

APPENDIX No. 34

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REGULATIONS FOR THE GOVERNMENT OF THE LIFE-SAVING SERVICE OF CANADA UNDER THE CONTROL OF THE DEPARTMENT OF MARINE.

1. The Life Saving Service of Canada is under the control and management of the Minister of Marine and Fisheries.

2. The humane and life-saving stations at Sable Island and St. Paul's Island are under the immediate charge of the superintendents of those islands respectively. All other duly organized life-saving stations shall be in charge of coxswains appointed by the Minister of Marine.

3. All officers and members of the Life-Saving Service shall be subject to rules and regulations made, from time to time, for the proper and effective working of the service.

4. The life-boat crews shall be organized at the several stations, from duly qualified residents of the respective localities, who will be required to formally subscribe to articles of engagement, in which will be set forth the duties required and the remuneration to be allowed for their faithful performance.

DUTIES, &c., OF COXSWAINS.

5. No person shall be appointed as coxswain until he shall have produced satisfactory evidence of good moral character, and sober and correct habits. A coxswain must be not less than twenty-one, nor more than fifty years of age, and be able to read and write a fair legible hand, must be able-bodied, familiar with the line of coast embraced within his district, and possess a thorough knowledge of the management of surf and life-boats, and of the use of the various apparatus employed in the service.

6. Each coxswain will receive an annual allowance of seventy-five dollars, as remuneration for taking charge of the life-boat and station. In addition to that, he will be paid at the same rate as other members of the crew for his services at wrecks and at the ordinary practices of the boat and apparatus.

7. Coxswains will be held to a strict accountability for the proper care, preservation and good order of the apparatus, boats, buildings and their appurtenances, and for the economical use of all supplies placed in their charge. They must be careful to prevent waste, theft and misapplication of all Government property entrusted to their care and management, and the value of all articles not satisfactorily accounted for will be deducted from their pay.

8. Coxswains must not use or permit to be used for private purposes, the boats, carts, or any of the equipments of the station.

9. Whenever anything belonging to a station is lost or destroyed, the fact and attendant circumstances must be immediately reported to the Deputy Minister of Marine at Ottawa.

10. Immediately upon the discovery of a wreck or vessel in distress, signal will be made in the manner hereinafter prescribed, and such signal having been made, the coxswain will proceed to prepare the boat, apparatus, &c., for instant service.

11. In case of necessity coxswains are authorized to obtain from the neighbourhood the use of horses or carts to facilitate or hasten the conveyance of the boat or

apparatus to the scene of the wreck, for which a reasonable compensation will be allowed. When such expense has been incurred, the coxswain will attach to the bill for the same a full statement showing the necessity thereof and the extent of the service.

12. Coxswains are strictly charged to see that every member of their respective crews is properly equipped with his life belt before taking his place in the boat at any time Each member of the crew is to have his own belt, properly fitted to him and marked so that he can secure it without delay. Coxswains will assure themselves by personal inspection on every occasion of their use, that the life belts are in good condition, and especially that the strings are strong. They are enjoined to give particular attention to the fastenings of the belts upon the men, to insure which object it is indispensable: 1st. That the upper back strings of the belts should be drawn tightly over the shoulders, after being crossed behind and tied carefully and tightly to the front strings on the chest, so as to make it impossible for the belt to drop down over the hips; 2nd. That the waist strings should be drawn tightly around the body between the rows of cork, and them tightly and carefully tied, so as to prevent the sea from getting under the belt and breaking the strings, and also to preserve bodily warmth by keeping the belt in contact with the person. Coxswains will be held responsible for any neglect or infraction of this regulation on the part of any member of their respective crews.

13. On boarding wrecks, the preservation of life will be the coxswain's first consideration, and he will on no account take in goods or merchandize which may endanger the safety of his boat or the lives of those entrusted to his charge, and should anything of the kind be brought in against his remonstrance, he is fully authorized to throw it overboard.

14. In all cases of stranded vessels, coxswains will exercise a watchful care over such portions of the cargo as may be landed or come on shore, in order to perserve the same, as far as possible, for the owners thereof, as also to protect the revenue; and with this view, dutiable goods and valuable marchandize, other than combustibles and explosives, may, for security, be stored within the stations, but the boat rooms must not be encumbered with articles which might affect the instant availability of the apparatus.

15. Coxswains will keep as accurate an account as possible of the cargo landed, and make a return of the same to the Deputy Minister of Marine, who will turn it over to the Collector of Customs within whose district the wreck may have occurred.

16. As soon after the occurrence of a wreck as it can be done, without interruption of his duty thereat, the coxswain of the nearest station will forward, by telegraph or by mail, a preliminary report of the casualty to the Deputy Minister of Marine, at Ottawa.

17. As soon after duty at a wreck as practicable, the coxswain of each station engaged will enter all the requisite particulars in a journal, and will fill up and forward the necessary report according to form, stating what appliances were used upon the occasion, whether mortar, gun, rocket, life-boat, surf-boat, life-car, life-raft or breeches buoy, and with what success, and also appending to the report a full narrative of the entire transaction, giving, with the utmost detail, every particular.

18. On returning from service, the boat will be placed in the boat-house immediately, and on the first fine day after, it will be drawn out, that any dampness about it may be dried up. Any damage to the boat must be immediately repaired.

19. After the apparatus has been used either in actual service or for exercise, each coxswain will see that every part thereof is restored to its proper place in the house, after being cleaned of sand or dirt. All metallic substances are to be wiped dry, and all lines and hawsers thoroughly dried at the first opportunity of fair weather.

20. In order to preserve the lines from rot, and for the purpose of properly ventilating the houses, coxswains will frequently avail themselves of fair weather to open all doors and windows during the daytime to permit the free passage of air throughout the houses, and will avail themselves of every opportunity and means to disperse whatever dampness or moisture may have accumulated.

21. A signal shall be agreed on by which the life-boat crew can be called together when required, such as a flag hoisted by day, and the firing of a carronade (or other alarm signal) by night. In addition coxswains will use all other means that may be available for speedily collective their respecting crews.

22. In case of the failure of a sufficient number of the enrolled members of the life-boat's crew to arrive seasonably upon an occasion of wreck, the coxswain is authorized to accept, if necessary, the services of any competent person or persons who will volunteer to make up the full number required, and each such person who participates in the life-boat service on such occasions will receive reasonable compensation.

23. The life-boat will be manned by the coxswain in charge and as many boatmen as the boat pulls oars, and the coxswain shall have full command of the boat.

24. Should any coxswain become incapacitated through illness, accident or otherwise, to properly discharge, at any wreck, the duties appertaining to his station, the most competent member of the crew present shall be selected by a majority vote of the boat's crew about to go on service, who will temporarily assume command, and must be obeyed and respected as coxswain.

25. Coxswains are required to make themselves familiarly acquainted with these regulations and the instructions for drill with the apparatus, and also in the use of the Code of Signals and the prescribed method for restoring the apparently drowned.

LIFE-BOAT CREWS.

26. Crews for the life-boats will be selected by the coxswain, from able-bodied and experienced boatmen residing near the station.

27. Life-boat crews will be required to sign articles in accordance with the form attached to these regulations, binding themselves to a faithful performance of the duties therein specified.

28. Before signing the articles of engagement each man will either read, or have read to him, the regulations setting forth his duties. The compensation will be specified in the articles of agreement.

29. As the efficiency of a life-saving station depends upon the good training and discipline of the crew, the strictest attention must be paid, by the members thereof to the directions of the coxswain on all occasions, and implicit obedience to all law ful orders from officers must be rendered.

30. All members of life-boat crews, when not at the stations, will be expected, in inclement or thick weather, to be on the lookout for the signal to assemble, and on seeing or hearing it must repair immediately to the station.

31. Each crew shall be exercised fourteen times per annum, at regular intervals during the season of navigation to be fixed by the coxswains.

32. These exercises to occupy half a day, or five hours' time, and to include drill in managing the life-boat, and other duties connected with the station, the boat sometimes to be exercised in rough water.

33. Pay at the rate of $1.50 for each such drill will be allowed for each man, including the coxswain; when the boat has been on service about the time of any drill, that drill is to be omitted.

34. Whenever a life-boat has been on service at a wreck the crew will be reimbursed for the work done, the amount to be settled by the Minister of Marine and Fisheries, who will consider each case on its own merits.

35. The crews of life-saving stations may assist in saving property from wrecked vessels, so far as it can be done without interfering with the duty of saving life, which must be always the paramount consideration, or injuring the effectiveness of the appliances for prompt service at any moment. They may also claim reasonable compensation for the use of boats, waggons or other appliances personally belonging to them, which may be employed on such occasions, and may receive such rewards for labour performed, or risk incurred at wrecks, as owners or masters of vessels, or

other persons, may see fit to voluntarily bestow upon them, but they are strictly forbidden to solicit such rewards.

MISCELLANEOUS.

36. The apparently drowned are to be treated according to the printed directions on page 232 of this appendix, and all members of the Life-Saving Service are enjoined to make themselves familiar therewith.

37. Prompt measures must be taken to revive or resuscitate all persons found apparently drowned or insensible from exposure to cold.

38. All officers and other persons of the Life-Saving Services are required and strictly enjoined to properly observe and obey the orders of their superiors, and to use their utmost exertions to carry such orders into effect with promptitude.

39. No person belonging to the Life-Saving Service is permitted or authorized to take out of any wrecked vessel any money, plate, goods or any part of her cargo, or to take or remove any part of her rigging, stores or outfits, unless it be for the protection or preservation of the same, in which case the whole amount taken must, without fraud, concealment or embezzlement, be delivered to the coxswain in charge, or to the parties entitled to it.

40. The exterior of the boats must be painted annually by the coxswain. If the boat has been much used during the preceding twelve months, she should have two coats of paint; if little used, one will suffice, but the painting should be very carefully performed, and the paint well worked into the seams. The Department will furnish the necessary paint, oil and brushes for this work.

41. Persons found in the surf or upon the beach, after death, are to be properly cared for, and where they cannot be otherwise identified, a description, as complete in details as possible, will be made upon the journal of the station, and a copy sent to the Deputy Minister of Marine, Ottawa.

42. Where articles of value or trinkets that might assist in identification, are found upon the bodies of deceased persons, they will be carefully preserved and forwarded, with a list thereof, to the Deputy Minister of Marine, Ottawa.

Regulations relative to the care and use of the Self-Bailing and Self-Righting Life-Boat. (Adapted from instructions published by the Royal National Life-Boat Institution of Great Britain.)

STOWAGE OF LIFE-BOAT GEAR.

The stowage of life-boat gear is a matter of very great importance; in fact, the success of the life-boat in attempts at rescue, and the safety of her own crew, may largely depend upon it. The stowage space is necessarily limited, owing to so large a part of the boat being taken up by the air-cases and compartments which give her buoyancy; yet, in order to meet the conditions and emergencies of her work, she is obliged to carry a great number of articles, and these must be so placed as to be readily available for action and to not impede in any way the movements of the crew.

Two principles must never be lost sight of in stowing the life-boat—1st. Every article ordinarily in use should be *always* in the boat ready for service. 2nd. Every article should be carefully disposed in a particular manner. In these matters nothing should be considered trifling or unimportant. The smallest deviation from these two rules may involve disastrous failure.

The object of having all articles ordinarily in use kept constantly in the boat is to prevent anything from being forgotten and left out in the excitement attendant upon a sudden summons to put out to sea for a rescue. At such times something of importance is very apt to be overlooked, all hands being mainly intent upon the work of getting afloat and saving those in peril.

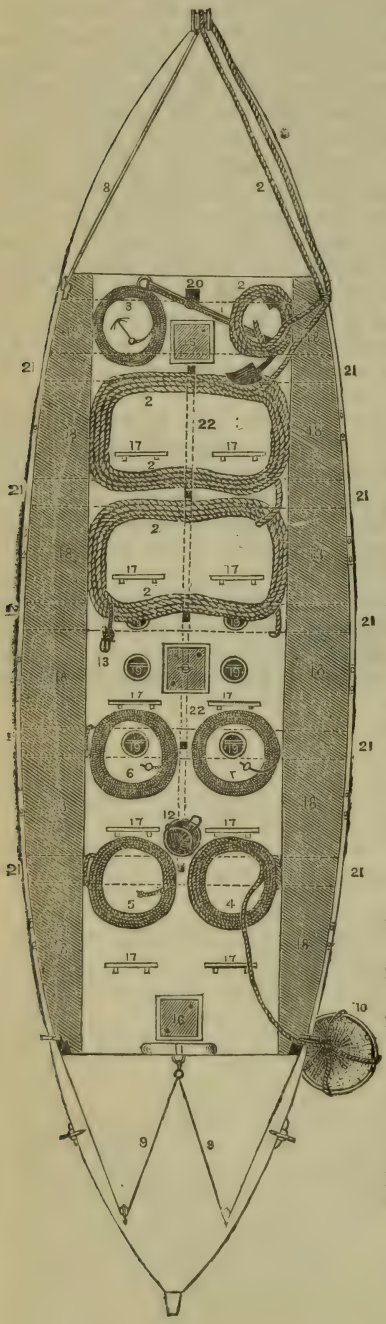
The object in having all the articles in the boat arranged in a particular manner is to allow the men to work the boat without the slightest hinderance and with the best possible results. It must be borne in mind that to have to row at, even the slightest disadvantage, in a heavy sea, might give the mastery to the waves, and involve the loss of human life. If, for example, the ropes were not well coiled beneath the thwarts and clear of the footboard, the legs of the rowers would be cramped, the muscles of the back chest and arms could not work freely, and the result would be discomfort, early fatigue, and general inefficient action. Or, if the masts, when the boat was under oars were not securely lashed, and the boat happened to be thrown on her beam-ends by a broadside sea, the masts, being stowed amidships between the two lines of rowers, would then fall over on the lee side, and the crew, struggling in the water with this load upon them, would find difficulty in getting free, while the boat, held in this dangerous position by the combined weight of the men, masts, and water on her lee side, would probably be upset by the next sea on her broadside. In a similar instance, the oars, if not well lashed, might be lost altogether, and the boat be left without the means of managing her. It is obvious, also, that articles should be so placed as to be seized for use at exactly the right moment. A secondary purpose is to enable any inspector, when he visits the station, to see at a glance that all the equipments are in the boat and disposed in the best possible manner for service.

In stowing the ropes, two general rules must be observed: 1st. Every rope must be fastened securely around a thwart by one end, leaving the other end clear for use. 2nd. Every rope must be stowed away, as far as possible, under a thwart, so that the end can be handed out, if wanted, by the man on the thwart above it, while it is in nobody's way, and not liable to be trampled on or disarranged, as it would be if coiled in the spaces between the thwarts. 3rd. Ropes should be coiled loosely, so as to allow the air to have access to all parts of them.

The accompanying diagram shows the deck of a life-boat, with the stowage arranged in accordance with these principles and rules. The thwarts are merely indicated by fine dotted lines, and the ropes are shown coiled beneath them. The anchor, drogue, life-buoy, and other articles, are shown in their appropriate places.

DECK-PLAN OF A SELF-RIGHTING LIFE-BOAT, SHOWING THE MANNER IN WHICH THE GEAR IS STOWED.

Boat and Gear.



List of Articles Shown.

1. Anchor.
2. Cable.
3. Bow heaving-line or grapnel-rope and grapnel.
4, Drogue-rope.
5. Stern heaving-line.
6. } Veering lines.
7. }
8. Jib outhaul or tack.
9. Mizzen-sheets.
10. Drogue.
11. Life-buoy.
12. Loaded-cane, heaving-line, and tub.
13. Tailed block.
14. Pump-well hatch.
15. } Deck ventilating-hatches.
16. }
17. Foot-boards for rowers.
18. Side air-cases.
19. Relieving tubes and valves.
20. Samson's post.
21. Thwarts.
22. Central batten, to which the masts and boat-hooks are lashed.

NOTE.—In many of the Canadian life-boats the side air cases (18) are dispensed with, and there are less thwarts than shown on this plan The same general arrangement is however, applicable to all boats, with such slight modification for changed spaces as experience may suggest.

The spare oars, masts and sails, and boat-hooks, are not shown in the diagram, lest their representation should so crowd the drawing with objects as to make it difficult to be understood. They are to be stowed above the thwarts. The masts, boat-hooks, and spare steering-oar are stowed amidships and securely lashed to the central batten, so that they will in no event break adrift. The sails are stowed at the fore end of the boat, one on each side, with two spare oars on each side, all securely lashed.

REGULATIONS.

1. The coxswains of life-boat stations will be held responsible to the Government for the proper care and order, cleanliness, and efficiency of the life-boat, and everything pertaining to her.

2. The coxswain of each life-boat station will frequently open the doors and windows of the boat-house; keep the pump-well hatch and ventilating hatches of the boat open when the boat is not in use; and often examine such of her gear as would suffer injury from dampness, and dry it by exposure to the sun or wind. He will exercise proper precautions against the warping of the oars by their remaining long in one position, and see that they are not left supported only at the ends.

3. The coxswain will keep all the boat's gear as far as possible in the boat, except the lantern (which has first to be trimmed and is only wanted for night service) and the lifebelts, so that no delay may take place in handing gear into the boat when going on service, and no risk be run of leaving anything behind.

4. The ropes and other gear of the life-boat must on no account be used for private purposes, nor, where avoidable, for any other purpose than that for which they are provided.

5. Whenever any small articles are injured or destroyed, they should be instantly repaired or replaced, and the Deputy Minister of Marine informed accordingly; and when any ropes or other articles of importance are worn-out or destroyed, the fact should be made known at once.

6. Whenever the life belts have been wet through with salt water, they should be dipped and washed in fresh water if practicable, and perfectly dried as soon as possible, their durability, without repair, much depending upon this being done.

7. Where there is a carriage to the boat, the wheels should be taken off at least twice a year and the axle-arms greased and the roller-skids should be kept in good order by oiling their axle-bolts occasionally.

8. To provide against the liability of the breakage of oars, either on service or in exercise, the coxswain will see that not less than four spare oars are carried in the boat whenever afloat, and that they are securely lashed so that they cannot be washed overboard, nor lost should the boat be upset.

Instructions for the management of the life-boat transporting carriage on occasions of launching and hauling up. [*Reproduced from instructions published by the Royal National Life-Boat Institution of Great Britain.*]

I.—READINESS FOR SERVICE.

1. The life-boat is kept on the carriage in the boat-house, ready for launching at a moment's notice; all her ordinary gear being in her, and the hauling-off or launching ropes ready rove.

2. Each launching-rope has a thimble eye at one end, which hooks over the corresponding hook at the lower part of the sternpost, thence it reeves downward through the sheave on the same side of the rear end of the carriage, the hauling part being hauled taut, and belayed to a cleat, at the fore end of the keelway of the carriage.

3. A stout securing-rope, in the fore end of the keelway, is rove through the hole at the aft end of the boat's keel, and belayed. This rope prevents the boat from running off the carriage when being drawn, and the hauling-off ropes, being hauled taut and belayed, prevent her running forward on the horses when going down a hill. No other ropes or lashings are required to steady or secure the boat on the carriage.

II.—LAUNCHING.

4. Preparatory to launching, the carriage should, according to circumstances, be either drawn into the water, and then turned short round, or be backed in far enough to launch *afloat*, and her bow pointed fair toward the surf before the crew get into the boat. Should, however, the carriage have to be drawn a considerable distance into the water before the boat will launch afloat, if there be sufficient horsepower available, the crew can all take their places in the boat before she is drawn into the water. In general, however, it will be best to turn the carriage round before, arriving at the water's edge, to take the horses out of the shafts, and to let the crew and assistants push the carriage into the water by the shafts, taking care to keep the boat's bow toward the sea, and to push the carriage far enough into the water to insure the boat's launching afloat.

5. The boat being properly placed, and each of the crew sitting on his thwart with his oar over the side, ready to give way, the hauling-off ropes are led up the beach and manned by the bystanders, or the assistants who are engaged for the purpose; or, if men are not at hand, a horse may be attached to them.

6. All being ready, and one man attending the securing-rope at the stern, in readiness to let it go, the coxswain will watch the surf as it breaks, and at the right moment will give the word to launch, when the men or horses on the launching-ropes running up the beach with all the speed possible, the boat which is entirely supported on the rollers of the keelway, will be shot rapidly off the carriage, and, the crew instantly giving way with their oars, she may thus be got fairly under command, before the surf has time to beat her back broadside to the shore, as would be the case if launching without the aid of the carriage.

7. As soon as the boat is afloat, the horses or assistants should draw the carriage out of the water and a short distance up the beach, and the assistants should prepare the tackle for hauling-up the boat on her return to the shore, and should see the skids and hauling-up hook-rope also ready for use.

III.—HAULING UP.

8. On the boat's returning to the shore, it is desirable that she should, as quickly as possible, be hauled up beyond the reach of the surf; and as she could not be kept sufficiently steady in a surf to be hauled at once from the water on to the carriage, she is first hauled up on the roller-skids supplied for the purpose, until altogether clear of the water and up heaviest part of the beach.

9. The judicious use of the skids much facilitates the operation of hauling up, as on a soft beach or a steep incline a boat can be dragged with greater ease over them than she can be drawn on a carriage.

10. On the boat approaching the shore, bow foremost, one or two hands quickly place a skid under her bow, while another hooks the hauling-up rope into the hole at the fore end of the keel, the same being ready manned by those on shore. The boat is thus run over the first skid while she is still water-borne. Her crew then jump out of her and aid in hauling her up, two or more on each side of her keeping her from falling over on one side. A line of skids being then placed at suitable intervals, she is drawn on them out of the water and as far up the shore as may be found convenient.

11. The fore body of the carriage is then detached, and the fore end of the keelway, resting on the ground, is run under the boat's bow, forming an incline, up which she may be easily hauled.

12. The hauling-off ropes are then doubled by toggling a single-snatched block and pendant to the standing part of each, and reeving their hauling part through the blocks. The pendants then hook over the slip-hooks on the sternpost, thus forming two single-block purchases, which are found sufficient.

13. A few men on the tackles are sufficient to haul the boat on the carriage, some on each side keeping her upright until her bilge-pieces take the sideways at the rear end of the carriage.

14. When far enough on the carriage to pass the securing-rope, the same is made fast and the tacklefalls belayed. The fore body of the carriage is then again attached, and the boat is ready for transit.

15. Drag-ropes are provided, with which the crew and assistants may aid the horses over very soft parts of the beach or up heavy hills, and check speed going down hills.

16. The wheels should be occasionally taken off and the axle-arms greased; a lifting-jack is supplied with every carriage for that purpose.

Towing of Life Boats. Reproduced from instructions published by the Royal National Life-Boat Institution of Great Britain.

On no account must any life-boat be towed, either by a steamer or sailing vessel, without her crew being in her, or at least a sufficient number of men to manage her in the event of her breaking adrift, or having to cast off from the towing vessel.

A life-boat may be towed by either one or two tow-ropes. If the former be adopted, it is recommended to tow with a long scope, from forty to sixty fathoms; the tow-rope being rove through a fair-leader or lizard at the stem-head, and screwed to a bollard shipped in the trunk or tabernacle of the foremast.

If towed with two ropes, one from each quarter of the towing steamer, they should not be taken to the stem of the boat, but be made fast, one to each bow, for which purpose some life-boats are fitted with a bollard on each bow. In either case the crew should be seated well aft in the boat to weigh her by the stern, excepting one man forward with a small hatchet by him, ready to cut the tow-rope in a moment if it should become necessary.

A life-boat will always be found to tow better against a heavy head-sea than away from one, as there will be a more steady and regular strain on her, and she will tow less wildly, and therefore with less violent jerks and strains on the tow-rope.

Great advantage is found, when towing a life-boat before a heavy sea, by towing a drogue astern of the boat, to prevent her running ahead in front of a sea (at risk of damage against the towing vessel), and to keep up a more equable strain on the tow-rope.

Rules for the management of open Row-Boats in a Surf—Beaching them, &c. Reproduced from instructions published by the Royal National Life-Boat Institution of Great Britain.

RULES OF MANAGEMENT.

1.—*In rowing to seaward.*

As a general rule, speed must be given to a boat rowing against a heavy surf. Indeed, under some circumstances, her safety will depend on the utmost possible speed being attained on meeting a sea. For if the sea be really heavy, and the wind blowing a hard, on-shore gale, it can only be by the utmost exertions of the crew that any headway can be made. The great danger then is, that an approaching heavy sea may carry the boat away on its front, and turn it broadside on, or upend it,

either effect being immediately fatal. A boat's only chance in such a case is to obtain such way as shall enable her to pass, end on, through the crest of the sea, and leave it as soon as possible behind her. Of course, if there be a rather heavy surf, but no wind, or the wind off shore, and opposed to the surf, as is often the case, a boat might be propelled so rapidly through it that her bow would fall more suddenly and heavily after topping the sea than if her way had been checked; and it may, therefore, only be when the sea is of such magnitude, and the boat of such a character, that there may be a chance of the former carrying her back before it, that full speed should be given to her.

It may also happen that, by careful management under such circumstances, a boat may be made to avoid the sea, so that each wave may break ahead of her, which may be the only chance of safety in a small boat; but if the shore be flat, and the broken water extends to a great distance from it, this will often be impossible.

The following general rules for rowing to seaward may, therefore, be relied on:

1. If sufficient command can be kept over a boat, by the skill of those on board her, avoid or "dodge" the sea, if possible, so as not to meet it at the moment of its breaking or curling over.

2. Against a head gale and heavy surf, get all possible speed on a boat on the approach of every sea which cannot be avoided.

3. If more speed can be given to a boat than is sufficient to prevent her being carried back by a surf, her way may be checked on its approach, which will give her an easier passage over it.

II. *On running before a broken sea, or surf, to the shore.*

The one great danger, when running before a broken sea, is that of *broaching-to.* To that peculiar effect of the sea so frequently destructive of human life, the utmost attention must be directed.

The cause of a boat's broaching-to when running before a broken sea or surf is that her own motion being in the same direction as that of the sea, whether it be given by the force of oars or sails, or by the force of the sea itself, she opposes no resistance to it, but is carried before it. Thus, if a boat be running with her bow to the shore and her stern to the sea, the first effect of the surf or roller, on its overtaking her, is to throw up the stern, and as a consequence to depress the bow; if she then has sufficient inertia (which will be proportional to weight) to allow the sea to pass her, she will in succession pass through the descending, the horizontal, and the ascending, position as the crest of the wave passes successively her stern, her midships, and her bow, in the reverse order in which the same positions occur to a boat propelled to seaward against a surf. This may be defined as the safe mode of running before a broken sea.

But if a boat, on being overtaken by a heavy surf has not sufficient inertia to allow it to pass her, the first of the three positions above enumerated alone occurs; her stern is raised high in the air, and the wave carries the boat before it, on its front or unsafe side, sometimes with frightful velocity, the bow all the time deeply immersed in the hollow of the sea, where the water, stationary or comparatively so, offers a resistance, whilst the crest of the sea having the actual motion which causes it to break, forces onward the stern or rear end of the boat. A boat will, in this position sometimes, aided by careful oar-steerage, run a considerable distance until the wave has broken and expended itself. But it will often happen that if the bow be low it will be driven under water, when, the buoyancy being lost forward, whilst the sea presses on the stern, the boat will be thrown (as it is termed) end over end; or if the bow be high, or it be protected, as in most life-boats, by a bow air-chamber, so that it does not become submerged, that the resistance forward, acting on one bow, will slightly turn the boat's head, and the force of the surf being transferred to the opposite quarter, she will in a moment be turned round broadside to the sea, and be thrown by it on her beam-ends or altogether capsized. It is in this manner that most boats are upset in a surf, especially on flat coasts, and in this way many lives

are annually lost among merchant seamen when attempting to land after being compelled to desert their vessels. Hence it follows, that the management of a boat, when landing through a heavy surf, must, as far as possible, be assimilated to that when proceeding to seaward against one, at least so far as to stop her progress shoreward at the moment of being overtaken by a heavy sea, and thus enabling it to pass her. There are different ways of effecting this object:—

1. By turning a boat's head to the sea before entering the broken water, and then backing in stern foremost, pulling a few strokes ahead to meet each heavy sea, and then again backing astern. If a sea be really heavy and a boat small, this plan will be generally the safest, as a boat cannot be kept more under command when the full force of the oars can be used against a heavy surf than by backing them only.

2. If rowing to shore with the stern to seaward, by backing all the oars on the approach of a heavy sea, and rowing ahead again as soon as it has passed to the bow of the boat, thus rowing in on the back of the wave; or, as is practised in some life-boats, placing the after-oarsmen with their faces forward and making them row back at each sea on its approach.

3. If rowed in bow foremost, by towing astern a pig of ballast or large stone, or a large basket, or a canvas bag, termed a "drogue" or drag, made for the purpose, the object of each being to hold the boat's stern back, and prevent her being turned broadside to the sea or broaching-to.

Drogues are in common use by the boatmen on the Norfolk coast; they are conical-shaped bags of about the same form and proportionate length and breadth as a candle extinguisher, about two feet wide at the mouth and four and a half feet long. They are towed with the mouth foremost by a stout rope, a small line, termed a tripping-line, being fast to the apex or pointed end. When towed with the mouth foremost they fill with water and offer a considerable resistance, thereby holding back the stern; by letting go the stouter rope and retaining the smaller line their position is reversed, when they collapse, and can be readily hauled into the boat.

Drogues are chiefly used in sailing-boats, when they both serve to check a boat's way and to keep her end on to the sea. They are, however, a great source of safety in rowing-boats, and rowing life-boats should be provided with them.

A boat's sail bent to a yard and towed astern loosed, the yard being attached to a line capable of being veered, hauled, or let go, will act in some measure as a drogue, and will tend much to break the force of the sea immediately astern of the boat.

Heavy weights should be kept out of the extreme ends of a boat; but when rowing before a heavy sea the best trim is deepest by the stern, which prevents the stern being readily thrown on one side by the sea.

A boat should be steered by an oar over the stern, or on one quarter, when running before a sea, as the rudder will then at times be of no use. If the rudder be shipped, it should be kept amidships on a sea breaking over the stern.

The following general rules may therefore be depended on when running before, or attempting land, through a heavy surf or broken water:—

1. As far as possible, avoid each sea by placing the boat where the sea will break ahead or astern of her.

2. If the sea be very heavy, or if the boat be very small, and especially if she have a square stern, bring her bow round to seaward and back her in, rowing ahead against each heavy surf that cannot be avoided sufficiently to allow it to pass the boat.

3. If it be considered safe to proceed to the shore bow foremost, back the oars against each sea on its approach, so as to stop the boat's way through the water as far as possible, and if there is a drogue, or any other instrument in the boat which may be used as one, tow it astern to aid in keeping the boat end on to the sea, which is the chief object in view.

4. Bring the principal weights in the boat towards the end that is to seaward, but not to the extreme end.

5. If a boat, worked by both sails and oars, be running under sail for the land through a heavy sea, her crew should, under all circumstances, unless the beach be

quite steep, take down her masts and sails before entering the broken water, and take her to land under oars alone, as above described. If she have sails only, her sails should be much reduced, a half-lowered foresail or other small head-sail being sufficient.

III. *Beaching or landing through a surf.*

The running before a surf or broken sea, and the beaching or landing of a boat, are two distinct operations; the management of boats as above recommended has exclusive reference to running before a surf where the shore is so flat that the broken water extends to some distance from the beach. Thus, on a very steep beach the first heavy fall of broken water will be on the beach itself, whilst on some very flat shores there will be broken water as far as the eye can reach, sometimes extending to even four or five miles from the land. The outermost line of broken water, on a flat shore, where the waves break in three and four fathoms water, is the heaviest, and therefore the most dangerous; and, when it has been passed through in safety, the danger lessens as the water shoals, until, on nearing the land, its force is spent and its power harmless. As the character of the sea is quite different on steep and flat shores, so is the customary management of boats on landing different in the two situations. On the flat shore, whether a boat be run or backed in, she is kept straight before or end on to the sea until she is fairly aground, when each surf takes her farther in as it overtakes her, aided by the crew, who will then generally jump out to lighten her, and drag her in by her sides. As above stated, sail will in this case have been previously taken in if set, and the boat will have been rowed or backed in by oars alone.

On the other hand, on the *steep* beach, it is the general practice, in a boat of any size, to retain speed right on to the beach, and in the act of landing, whether under oars or sail, to turn the boat's bow half round towards the direction from which the surf is running, so that she may be thrown on her broadside up the beach, where abundance of help is usually at hand to haul her as quickly as possible out of the reach of the sea. In such situations, we believe, it is nowhere the practice to back a boat in stern foremost under oars, but to row in under full speed as above described.

IV. *Boarding a wreck or a vessel, under sail or at anchor, in a heavy sea.*

The circumstances under which life-boats or other boats have to board vessels, whether stranded or at anchor or under way, are so various that it would be impossible to draw up any general rule for guidance. Nearly everything must depend on the skill, judgment, and presence of mind of the coxswain or officer in charge of the boat, who will often have those qualities taxed to the utmost, as undoubtedly the operation of boarding a vessel in a heavy sea or surf is frequently one of extreme danger.

It will be scarcely necessary to state that, whenever practicable, a vessel, whether stranded or afloat, should be boarded to leeward, as the principal dangers to be guarded against must be violent collision of the boat against the vessel, or her swamping or upsetting by the rebound of the sea, or by its irregular direction on coming in contact with the vessel's side; and the greater violence of the sea on the windward side is much more likely to cause such accidents. The danger must, of course, also be still further increased when the vessel is aground and the sea breaking over her. The chief danger to be apprehended on boarding a stranded vessel on the lee side, if broadside to the sea, is the falling of the masts; or if they have been previously carried away, the damage or destruction of the boat amongst the floating spars and gear alongside. It may therefore, under such circumstances, be often necessary to take a wrecked crew into a life-boat from the bow or stern; otherwise a rowing boat, proceeding from a lee shore to a wreck, by keeping under the vessel's lee, may use her as a break-water, and thus go off in comparatively smooth water, or

be at least shielded from the worst of the sea. This is, accordingly, the usual practice in rowing life-boats. The larger sailing life-boats, which go off to wrecks on outlying shoals, are, however, usually anchored to windward of stranded vessels, and then veered down to 100 or 150 fathoms of cable, until near enough to throw a line on board. The greatest care, under these circumstances, has, of course to be taken to prevent actual contact between the boat and the ship, and the crew of the latter have sometimes to jump overboard and to be hauled to the boat by ropes.

In every case of boarding a wreck or a vessel at sea, it is important that the lines by which a boat is made fast to the vessel should be of sufficient length to allow of her rising or falling freely with the sea; and every rope should be kept in hand ready to cut or slip it in a moment if necessary. On wrecked persons or other passengers being taken into a boat in a sea way, they should be placed on the thwarts in equal numbers on either side, and be made to sit down. All crowding or rushing headlong into the boat should be prevented as far as possible; and the captain of a ship, if a wreck, should be called on to remain on board to preserve order until every other person had left her.

Instructions for saving drowning persons by swimming to their relief. [*Reproduced from the Rules of the Royal National Life-Boat Institution of Great Britain.*]

1. When you approach a person drowning in the water, assure him, with a loud and firm voice, that he is safe.

2. Before jumping in to save him, divest yourself as far and as quickly as possible of all clothes; tear them off, if necessary; but if there is not time, loose at all events the feet of your drawers, if they are tied, as, if you do not do so, they fill with water and drag you.

3. On swimming to a person in the sea, if he be struggling, do not seize him then, but keep off for a few seconds till he gets quiet, for it is sheer madness to take hold of a man when he is struggling in the water, and if you do you run a great risk.

4. Then get close to him and take fast hold of the hair of his head, turn him as quickly as possible on his back, give him a sudden pull, and this will cause him to float, then throw yourself on your back also and swim for the shore, both hands having hold of his hair, you on your back and he also on his, and of course his back to your stomach. In this way you will get sooner and safer ashore than by any other means, and you can easily thus swim with two or three persons; the writer has even, as an experiment, done it with four, and gone with them forty or fifty yards in the sea. One great advantage of this method is that it enables you to keep your head up, and also to hold the person's head up you are trying to save. It is of primary importance that you take fast hold of the hair and throw both the person and yourself on your backs After many experiments, it is usually found preferable to all other methods. You can in this manner float nearly as long as you please, or until a boat or other help can be obtained.

5. Is is believed there is no such thing as a death-*grasp*; at least it is very unusual to witness it. As soon as a drowning man begins to get feeble and to lose his recollection, he gradually slackens his hold until he quits it altogether. No apprehension need, therefore, be felt on that head when attempting to rescue a drowning person.

6. After a person has sunk to the bottom, if the water be smooth, the exact position where the body lies may be known by the air-bubbles, which will occasionally rise to the surface, allowance being of course made for the motion of the water, if in a tide-way or stream, which will have carried the bubbles out of a perpendicular course in rising to the surface. A body may be often regained from the bottom, before too late for recovery, by diving for it in the direction indicated by these bubbles.

7. On rescuing a person by diving to the bottom, the hair of the head should be seized by one hand only, and the other used, in conjunction with the feet, in raising yourself and the drowning person to the surface.

8. If in the sea, it may sometimes be a great error to try to get to land. If there be a strong "outsetting" tide, and you are swimming either by yourself, or have hold of a person who cannot swim, then get on your back and float till help comes. Many a man exhausts himself by stemming the billows for the shore on a back-going tide, and sinks in the effort, when, if he had floated, a boat or other aid might have been obtained.

9. These instructions apply alike to all circumstances, whether as regards the roughest sea or smooth water.

Directions for restoring the apparently drowned. (Reproduced from the Regulations of the United States Life-Saving Service.)

RULE I. *Arouse the patient.*—Unless in danger of freezing, do not move the patient, but instantly expose the face to a current of fresh air, wipe dry the mouth and nostrils, rip the clothing, so as to expose the chest and waist, and give two or three quick smarting slaps on the stomach and chest with the open hand. If, however, there is reason to believe that considerable time has elapsed since the patient became insensible, do not lose further time by practising Rule I, but proceed immediately to Rule II. After loosening clothing, &c., if the patient does not revive, then proceed thus:

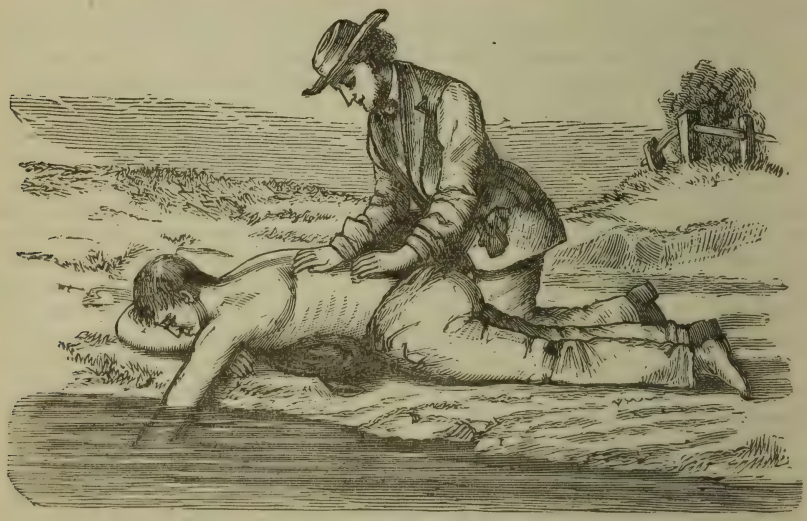


FIG. I. *Showing the first step taken, by which the chest is emptied of air, and the ejection of any fluids swallowed is assisted.*

RULE II. *To expel water, &c, from the stomach and chest.*—(See Fig. I.)—If the jaws are clinched, separate them, and keep the mouth open by placing between the teeth a cork or small bit of wood; turn the patient on the face, a large bundle of tightly-rolled clothing being placed beneath the stomach, and press heavily over it for half a minute, or so long as the fluids flow freely from the mouth.

RULE III. *To produce breathing.*—(See Fig. II)—Clean the mouth and throat of

FIG. II. *Showing the position and action of the operator, in alternately producing artificial expiration and inspiration of air.*

mucus, by introducing into the throat the corner of a handkerchief wrapped closely around the fore-finger; turn the patient on the back, the roll of clothing being so placed beneath it as to raise the pit of the stomach above the level of any other part of the body. If there be another person present, let him, with a piece of dry cloth, hold the tip of the tongue out of one corner of the mouth (this prevents the tongue from falling back and choking the entrance to the windpipe,) and with the other hand grasp both wrists and keep the arms forcibly stretched back above the head, thereby increasing the prominence of the ribs, which tends to enlarge the chest. The two last named positions are not, however, absolutely essential to success. Kneel beside or astride the patient's hips, and with the balls of the thumbs resting on either side of the pit of the stomach, let the fingers fall into the grooves between the short ribs, so as to afford the best grasp of the waist. Now, using your knees as a pivot, throw all your weight forward on your hands, and at the same time squeeze the waist between them, as if you wished to force everything in the chest upward out of the mouth; deepen the pressure while you can count slowly one, two, three; then suddenly let go with a final push which springs you back to your first kneeling position. Remain erect on your knees while you can count one, two, three; then repeat the same motions as before at a rate gradually increased from four or five to fifteen times in a minute, and continue thus this bellows movement with the same regularity that is observable in the natural motions of breathing which you are imitating. If natural breathing be not restored, after a trial of the bellows movement for the space of three or four minutes, then turn the patient a second time on the stomach, as directed in Rule II, rolling the body in the opposite direction from that in which it was first turned, for the purpose of freeing the air-passages from any remaining water. Continue the artificial respiration from one to four hours, or until the patient breathes, according to Rule III; and for a while, after the appearance of returning life, carefully aid the first short gasps until deepened into full breaths. Continue the drying and rubbing, which should have been unceasingly practised from the beginning by the assistants, taking care not to interfere with the means employed to produce breathing. Thus the limbs of the patient should be rubbed, always in an upward direction towards the body, with firm-grasping pressure and energy, using the bare hands, dry flannels or handkerchiefs, and continuing the friction under the blankets or over the dry

clothing. The warmth of the body can also be promoted by the application of hot flannels to the stomach and armpits, bottles or bladders of hot water, heated bricks, &c., to the limbs and soles of the feet.

RULE IV. AFTER TREATMENT.—*Externally.*—As soon as breathing is established, let the patient be stripped of all wet clothing, wrapped in blankets only, put to bed comfortably warm, but with a free circulation of fresh air, and left to perfect rest. *Internally:* Give whisky or brandy and hot water in doses of a teaspoonful to a tablespoonful, according to the weight of the patient, or other stimulant at hand, every ten or fifteen minutes for the first hour, and as often thereafter as may seem expedient. *Later manifestations:* After reaction is fully established, there is great danger of congestion of the lungs, and if perfect rest is not maintained for at least forty-eight hours, it sometimes occurs that the patient is seized with great difficulty of breathing, and death is liable to follow unless immediate relief is afforded. In such cases apply a large mustard-plaster over the breast. If the patient gasps for breath before the mustard takes effect, assist the breathing by carefully repeating the artificial respiration.

NOTE—Dr. Labordette, the Supervising Surgeon of the Hospital of Lisieux, in France, appears to have established that the clenching of the jaws and the semi-contraction of the fingers, which have hitherto been considered signs of death, are, in fact, evidences of remaining vitality. After numerous experiments with apparently drowned persons, and also with animals, he concludes that these are only signs accompanying the first stage of suffocation by drowning, the jaws and hands becoming relaxed when death ensues. * This being so, the mere clenching of the jaws and semi-contraction of the hands must not be considered as reasons for the discontinuance of efforts to save life, but should serve as a stimulant to vigorous and prolonged efforts to quicken vitality. Persons engaged in the task of resuscitation are, therefore, earnestly desired to take hope and encouragement for the life of the sufferer, from the signs above referred to,and to continue their endeavours accordingly. In a number of cases Dr. Labordette restored to life persons whose jaws were so firmly clenched, that, to aid respiration, their teeth had to be forced apart with iron instruments.

Treatment of Frost-Bites. As recommended by the Surgeon-General of the United States Marine Hospital Service.

1. Do not bring the patient to the fire, nor bathe the parts in warm water.

2. If snow be on the ground, or accessible, taken a woollen cloth in the hand, place a handful of snow upon it, and gently rub the frozen part until the natural colour is restored. In case snow is not at hand, bathe the part gently with a woollen cloth in the coldest *fresh* water obtainable—ice-water if practicable.

3. In case the frost-bite is old, and the skin has turned black or begun to scale off, do not attempt to restore its vitality by friction, but apply carron oil on a little cotton; after which wrap the part loosely in flannel.

4. In all cases, as soon as the vitality has been restored, apply the carron oil, prepared according to Service formula. As it contains opium, do not administer morphia or other opiate.

5. In the case of a person apparently dead from exposure to cold, friction should be applied to the body and the lower extremities, and artificial respiration practised as in cases of the apparently drowned. As soon as the circulation appears to be restored, administer spirit and water at intervals of 15 or 20 minutes until the flesh feels natural. Even if no signs of life appear, friction should be kept up for a

* The muscular rigidity of death (*rigor mortis*) occurs latter, after the temporary relaxation here referred to.

long period, as instances are on record of recovery after several hours of suspended animation.

Carron Oil—(Service formula) :

Olive-oil or linseed-oil (raw.)
Lime-water, of each 12 parts.
Tincture of opium, 1 part.
Mix.

ARTICLES OF ENGAGEMENT FOR VOLUNTEER LIFE-BOAT CREWS.

We, the subscribers, do, and each of us doth, hereby agree to and with , Coxswain of Life Boat Station, in the Life Saving Service of the Dominion of Canada, in manner and form following, that is to say:—

In the first place, we do hereby agree, in consideration of the compensation against each of our names hereunto set, payable at such times and in such proportions as is or may be prescribed by the Department of Marine of the Dominion of Canada for the term of one year, unless sooner discharged by the order of the Deputy Minister of Marine at Ottawa, to repair to Station on the occurrence of any wreck within the scope of the operations of said Station, or whenever notified by proper authority by signal or otherwise, and unless sooner discharged by proper authority, to the utmost of our power and ability, respectively to discharge our several duties, and in everything to be conformable and obedient to the lawful commands of the coxswain and officers who may from time to time be placed over us.

Secondly. We do also oblige and subject ourselves, and for that purpose do hereby convenant and agree to serve during the term aforesaid, and to comply with and be subject to such regulations, rules and discipline as are, or may be, established for the government of the Life Saving Service of the Dominion of Canada.

Thirdly. The said , for and in behalf of the Dominion of Canada, doth hereby convenant and agree with the parties who have hereunto severally signed their names and each of them respectively, that the said parties shall be paid, in consideration of their services, the compensation which, in the column hereunto annexed, is set opposite to each of their names respectively at such times, and in such proportions as are or may be allowed by law and the regulations for the government of the Life Saving Service.

Name.	Date of entry.	Term.	In what capacity.	Compensation.	Remarks.
		1 year...	Boatman..	An allowance on each occasion of going out to a wreck in a Lifeboat or $1.50 per day when attending drill.	

APPENDIX No. 35

To the Twentieth Annual Report of the Department of Marine, being a General Summary of Expenditure for the Fiscal Year ended 30th June, 1887.

Vide Page	Service.	Amount.	Total.
		$ cts.	$ cts
1	Civil Government		30,899 18
2	Maintenance of lights above Montreal	75,690 74	
24	do between Quebec and Montreal	16,735 49	
31	do below Quebec	131,318 59	
56	do Nova Scotia	117,808 53	
89	do New Brunswick	96,425 28	
118	do Prince Edward Island	17,852 13	
127	do British Columbia	16,230 43	
23	do Cape Race	4,453 25	
			476,514 44
133	Construction of lights above Montreal	18,383 20	
134	do below Quebec	1,260 00	
134	do Nova Scotia	5,330 89	
135	do New Brunswick	5,280 73	
136	do Prince Edward Island	384 60	
136	do British Columbia	321 84	
	Queen's Printer, printing, etc	29 58	
			30,990 8[illegible]
137	Dominion steamers		141,424 4[illegible]
147	Examination of masters and mates		4,858 9[illegible]
148	Hudson's Bay expedition		14,762 6[illegible]
149	Investigations into wrecks, etc		529 1[illegible]
157	Marine and Immigrant Hospital, Quebec		19,706 9[illegible]
158	Marine hospitals and sick seamen, and shipwrecked and distressed seamen		52,262 2[illegible]
150	Meteorological service	50,890 44	
156	Observatory, Montreal	500 00	
156	do Kingston	500 00	
156	do Toronto	5,250 30	
			57,140 7[illegible]
173	Registration and survey of Canadian shipping		233 1[illegible]
174	Removal of obstructions in navigable rivers		4,190 8[illegible]
176	Rewards for saving life, etc		7,363 9[illegible]
179	Signal service		5,082 1[illegible]
180	Steamboat inspection		22,837 8[illegible]
182	Survey Georgian Bay		21,592 5[illegible]
183	Water police, Montreal	17,413 47	
183	do Quebec	22,935 65	
			40,349 1[illegible]
186	Winter mail service, Prince Edward Island		6,312 9[illegible]
			937,051 9[illegible]

WM. SMITH,
Deputy Minister of Marine.

F. GOURDEAU,
Accountant.

APPENDIX No. 36

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING A REPORT RESPECTING TIDAL OBSERVATIONS.

THE OBSERVATORY, TORONTO, 10th February, 1888.

The Honourable GEO. E. FOSTER,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to report on the question of tidal observations to be taken on the coasts of Canada, as follows :—

In considering the question, it may be well to recite concisely what steps have already been taken to bring the desirability, if not the necessity, for carrying out of these observations, before the notice of yourself and the Government. It will be within your recollection that a deputation from the Committee from the British Association for the Advancement of Science addressed a memorial to the Government, and waited upon yourself to urge the necessity for carrying out these observations. The following report, which the Committee made to the British Association, gives the position of affairs practically up to the spring of 1887; no steps having been taken between the date of report of this Committee and the last summer:

REPORT *of the Committee, consisting of Professors A. Johnson (Secretary), J. G. MacGregor, J. B. Cherriman, H. T. Bovey and Mr. C. Carpmael, appointed for the purpose of promoting tidal observations in Canada.*

The Committee have represented to the Canadian Governmen t the importance of publishing tide-tables for Canadian waters, and the necessity for this purpose of establishing stations for continuous tidal observations, recommending that the observations be subsequently reduced by the methods of the British Association.

They have pointed to the example of the United States Government, which has provided tide-tables for both the Atlantic and Pacific coasts.

In urging the practical side of the question, they have more especially referred to the tide-tables for British and Irish ports, published by the Admiralty, which give the rate and set of the tidal currents in the waters surrouuding the British Islands; and they have drawn attention to the heavy annual losses caused by ignorance of these currents in Canadian waters, as shown by the wreck list.

In order to strengthen their representation from this point of view, they deemed it well to get the opinions of Boards of Trade and shipowners and shipmasters. On inquiry it appeared that the Montreal Board of Trade were at the very time considering the question, which had been brought independently before them. On learning the object of the Committee they gave it their most hearty support, and addressed a strong memorial on the subject to the Dominion Government.

The Boards of Trade of the other chief ports of the Dominion also sent similar memorials. The shipowners and masters of ships, to whom application was made, were practically unanimous in their testimony as to the pressing need for knowledge on the subject.

The representations of your Committee were made through the Minister of Marine, with whom an interview was obtained, at which a memorial was submitted. Copies of the answers of the shipmasters (a large number of which had been received) were submitted at the same time. Full explanations, in reply to the enquiries of the Minister, were given, more especially on practical points connected with the proposed observations at fixed stations and the reductions, for which your Committee are largely indebted to a corresponding committee appointed by the Council, consisting of the Right Hon. Sir Lyon Playfair, Professor J. Couch Adams, Sir William Thomson and Professor Darwin.

During the Session of Parliament the Royal Society of Canada also addressed petitions to the Governor General and the two Houses of Parliament, strongly urging the need of tidal observations.

The reply of the Minister of Marine stated that owing to the large outlay on the Georgian Bay Survey, and on the expedition to Hudson's Bay during the past summer (1885), the Government did not propose to take action in the matter of tidal observations at present. This unfavourable answer, it will be observed, is made to depend on a temporary financial condition, and your Committee have reason to believe that if the financial prospects improve by next Session of Parliament, the Government will take the matter into earnest consideration; they therefore suggest that the Committee be re-appointed."

During the past summer I received your permission to have observations taken at various stations by means of tide staffs; the pressure of work in the Fishery Protection Service, however, prevented my doing much in this direction; observations were, notwithstanding, obtained at the following places:—

St. Andrews Pt., Georgetown Harbour, P.E.I., Mr. J. Wightman.
Pictou Bar Lighthouse, Strait of Canso, Capt. W. Ross.
Point Tupper Lighthouse, Strait of Canso, Capt. James McDonald, Lightkeeper.
Louisburg Harbour, Cape Breton, Mr. P. O'Toole, Collector of Customs.

The observations consisted of eye readings of an ordinary tide staff taken at a few minutes interval about the times of high and low water, and isolated staff readings at occasional intervals during the rise and fall of the tide.

The time was obtained from either railway or telegraph station, and may be regarded as sufficiently accurate for the purpose of making the test proposed.

The observations, when reduced to mean local time, were plotted on profile paper, and curves drawn representing the tidal wave. From the curves thus drawn the times and heights of high and low water were in each case taken.

The time of high water for each of these tides was then calculated, and the tables given below are the differences (O—C.) between the observed and calculated times of high and low water, the minus sign when prefixed indicating that the calculated time was later that the observed time, or, in other words, that high water occurred earlier than predicted.

LOUISBURG HARBOUR, C. B.

Date.	A.M. P.M.	O—C. L.W.	Date.	A.M. P.M.	O—C. H.W.
1887.		Minutes.	1887.		Minutes.
Oct. 20...	P.	23	Oct. 21...	A.	— 19
21...	P.	— 7	22...	A.	— 15
22...	P.	— 15	23...	P.	15
24...	A.	55	24...	P.	— 4
25...	A.	47	25...	P.	10
26...	A.	46	26...	P.	4
27...	P.	— 1	27...	P.	— 2
28...	P.	13	28...	P.	— 16
29...	P.	12	29...	P.	— 44
31...	P.	30	31...	A.	— 41
Nov. 1...	P.	1	Nov. 1...	A.	6
2...	P.	— 21	2...	A.	6
3...	P.	17	3...	A.	17
4...	P.	— 15	4...	A.	— 4
5...	P.	— 19	5...	A.	— 22

PICTOU HARBOUR.
Bar Point Lighthouse.

Date.	A.M. P.M.	O—C. L.W.	Date.	A.M. P.M.	O—C. H.W.
1887.		Minutes.	1887.		Minutes.
Sept. 17...	P.	1	Sept. 17..	A.	— 11
18...	P.	6	18...	A.	— 11
19...	P.	17	19...	A.	— 1
	A.	— 4			
20...	P.	10	20...	A.	— 12
	A.	19			
21...	P.	8	21...	P.	4
	A.	14			
22...	P.	— 5	22...	P.	7
				A.	9
Oct. 1...	P.	49	Oct. 1...	P.	10
				A.	— 29
2...	P.	16	2...	P.	65
				A.	5
3...	P.	15	3...	P.	— 23
	A.	39		A.	56
4...	P.	15	4...	P.	4
	A.	— 5			
5...	P.	19	5...	A.	12
	A.	27		A.	6
6...	P.	6	6...	P.	24

PORT HAWKESBURY, STRAIT OF CANSO.

Point Tupper Lighthouse.

Date.	A.M. P.M.	O—C. L.W.	Date.	A.M. P.M.	O—C. H.W.
1887.		Minutes.	1887.		Minutes.
	A.	58		A.	81
Oct. 12...	P.	36	Oct. 12...	P.	47
	A.	— 62		A.	— 5
13...	P.	— 157	13...	P.	— 80
	A.	— 184		A.	— 172
14...	P.	— 164	14...	P.	— 157
	A.	— 143		A.	— 151
15...	P.	— 172	15...	P.	— 103
				A.	— 179
16...	P.	— 135	16...	P.	— 88
	A.	— 81		A.	— 150
17...	P.	— 128	17...	P.	— 131
	A.	— 125		A.	— 133
18...	P.	— 126	18...	P.	— 149
	A.	— 127		A.	— 130
19...	P.	— 113	19...	P.	— 145
	A.	— 76		A.	— 82
20...	P.	— 55	20...	P.	— 68
	A.	— 16		A.	— 14
21...	P.	— 37	21...	P.	— 19
	A.	— 78		A.	— 71
22...	P.	— 76	22...		
	A.	— 57		A.	— 24
23...	P.	— 7	23...	P.	— 70
	A.	— 52		A.	— 29
24...	P.	— 7	24...	P.	— 42
	A.	— 74		A.	0
25...	P.	— 45	25...	P.	— 108
	A.	— 89		A.	— 67
26...	P.	— 108	26...	P.	— 96
	A.	— 77		A.	— 70
27...			27...	P.	— 19

GEORGETOWN HARBOUR, P.E.I.

St. Andrew's Point Lighthouse

Date.	A.M. P.M.	O—C. L.W.	Date.	A.M. P.M.	O—C. H W.
1887.		Minutes.	1887.		Minutes.
	A.	59			
Sept 8...	P.	44	Sept. 8...	P.	41
	A.	20		A.	46
9...	P.	83	9...	P.	85
	A.	— 1		A.	81
10...	P.	3	10...	P.	6
	A.	2		A.	55
11...	P.	— 40	11...	P.	28
	A.	27		A.	— 10
12...	P.	4	12...	P.	72
	A.	— 27		A.	16
13...	P.	10	13...	P.	24
	A.	15		A.	— 77
14...	P.	— 52	14...	P.	— 39
				A.	— 68
15...	P.	— 31	15...	P.	— 7
	A.	— 75		A.	— 70
16...	P.	— 13	16...	P.	— 29
	A.	— 17		A.	— 40
17...	P.	— 23	17...	P.	— 34
	A.	— 37		A.	— 12
18...	P.	60	18...	P.	— 60
	A.	— 18		A.	— 8
19...	P.	— 21	19...	P.	— 16
	A.	— 38		A.	— 15
20...	P.	— 37	20...	P.	1
	A.	23		A.	15
21...	P.	— 8	21..	P.	29
	A.	21		A.	15
22...	P.	— 18	22...	P.	— 15
	A.	7			
23...	P.	— 12	23...	P.	16
	A.	4		A.	12
24...	P.	— 47	24...	P.	— 4

The foregoing tables show that even at places like Louisburg, fronting directly on the Atlantic, the times of high and low water are liable to fluctuations of nearly three quarters of an hour, and if we discard from this table the five observations where the difference between the observed and calculated times exceeds thirty minutes, we have an average fluctuation without regard to sign of about fifteen minutes. At the other stations the tides are more complicated and the differences larger, particularly so in the case of the Straits of Canso, where not only does the tidal constant (Time of H. W. F. and C.) seem to be largely in error, but the differences at the several parts of the lunation vary by from two to three hours, pointing to the inadaptability of the formula used for the purpose of predicting the tides.

These observations are too few in number and too rough in their nature to found any conclusions on, but they certainly strengthen the position taken by those who say that it is desirable that the whole question of the determination of tidal constants should be taken up in Canada and a number of stations established for taking tidal observations. These tidal observations are of the greatest practical value to seamen, and in Great Britain and the United States, tide tables for the coasts are regularly prepared each year and placed for sale at the lowest possible price. In Canada no such publication is issued under the authority of the Government, but the Blue Book issued by the Department of Marine, called the List of Lights, could have

the tide tables printed in it and be sold at a low rate. The especial value which this work will have when completed, will be that by simply examining a table an intelligent ship master can not only see at what time the tide will be high or low but in the waters of the gulf when the currents are once charted, he will be able to see at once how the tidal current is setting his ship.

The object of these observations was to endeavour to show to what extent the means now in the hands of navigators for the prediction of the tides on the coasts of Canada were in error. The results show, so far as they go. that the means of prediction are very imperfect and in some cases such as the Strait of Canso actually misleading.

In Great Britain and the United States much attention has been devoted to the examination of the question of rise and fall of tide and tidal currents, and the results are made immediately available to navigators in British waters by the Admiralty tide tables and in the United States waters by the United States Atlantic and Pacific Coasters Nautical Almanac. The Admiralty tide tables besides giving the time and height for twenty-four standard ports for each tide throughout the year, give tables of constants for determining by simple addition or subtraction of these constants from the time and height of the tide at the port of reference for the day and the time and height at almost every port throughout the Kingdom. A full description of the flow of the tide currents off the coast is also given so that the navigator can at any time determine with accuracy and despatch what currents due to tidal action are at the time affecting his ship.

In the United States publication the same system of ports of reference is adopted in the Atlantic and Pacific Coasters Nautical Almanacs, published by authority of the Secretary of the Navy. In the Atlantic Almanac the time of high water is published for fifteen standard ports of reference, and tidal constants are given by which the times at other places can be easily determined. Besides the tide tables, this publication contains as its name implies an abridged ephemeris, which is sufficient for vessels making coasting voyages or others of short duration. It also contains a condensed list of lighthouses on the Atlantic sea board of the United States, the West Indies, and the Atlantic coast of South America, together with much other information of great value to those navigating vessels on the Atlantic.

Complete tide tables for the United States can be obtained from the same dealers who supply the publications of the United States Navy Department.

In Canada we have no such official publication, except the listoflights published by the Marine Department, and itis this work which I have the honour to recommend should be used as a basis of a somewhat similar publication, to be either distributed gratis to Canadian vessels or to be sold for the actual cost of paper and printing.

The only tidal observations which have hitherto been made in Canada, are those which were made in the course of the Coast Survey by the British Admiralty Surveyors, and those were most of them made many years ago by tide staff readings, by which the times and heights of high and low water were approximately measured and from these the standard tidal constant or time of high water, or days of full and change of the moon, determined. Besides this a self-recording tide gauge was maintained in constant operation for several years at the Imperial Naval dock yard, and in Halifax harbour. These sheets are now in the Hydrographic Office, at the Admiralty in London, but up to the present time the curves have not been measured nor has any use been made of them.

The tidal observations, which it is desirable should be taken in Canada, are divided into two classes, viz., those for the determination of the rise and fall of the tide, and those for the measure of the direction and velocity of the flow of the tidal currents. It is not by any means necessary that these should be contemporaneously proceeded with.

For the measurement of the rise and full there are three distinct sets of observations.

The first is that for say three standard stations on the Atlantic and one on the Pacific, which should be carried out during the full period of nineteen years of ob

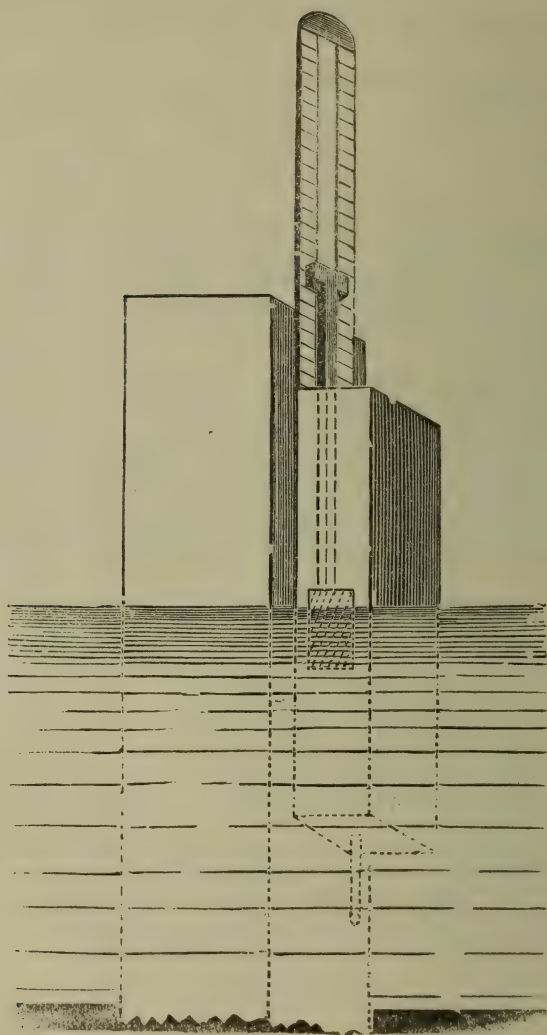
servations. These stations should be, one on the Nova Scotian coast say in the neighbourhood of Tor Bay, Guysboro' County; a second at some convenient place in the River St. Lawrence, and a third at or near the entrance to the Bay of Fundy. The fourth to be established at some future time on the Pacific Coast. These stations would be standard stations of reference, and from these the minor inaccuracies, involved by the fact that predictions must be made in the great majority of cases from short series of observations, would be corrected from time to time. The equipment for these stations would be:—

1 self-registering tide gauge.
1 comparison tide staff.
1 self registering aneroid barometer.
1 mercurial barometer.
1 rain gauge.
1 anemograph.
1 time piece.

The second class standard stations would be those at which a self-registering tide gauge would be erected and maintained in operation for from three to five years, depending on the success of the observations. I have the honour to recommend that there should be three of these stations, and as soon as the series of observations at any one place is shown to be sufficiently complete, the instruments can be removed and set up in another place.

The third class stations are those at which tide staffs would be temporarily erected and readings taken hourly and at high and low water more frequently, the observations being continued over a period of three or four complete lunations. In the case of these stations the fluctuations due to variations in barometric pressure can be eliminated by obtaining the barometric readings from adjacent stations of the Meteorological Service or from the weather maps used for making up the forecasts. These stations should be fairly numerous, as it is from them that the tidal constants to be applied to the predicted tides for the standard ports would be determined.

The annexed drawing shows one of these tide staffs. They are simple in construction and inexpensive, and can either be attached to a pier, or pile wharf, and if none such is convenient, can be easily erected by driving in a single pile at a suitable spot to carry the staff.



ESTIMATE OF COST.

Construction Estimate.

The tide gauge will cost in Glasgow	$250	
Freight, packing, &c., delivered at Halifax or Quebec	25	
The cost of tide house and pier or necessary crib work must depend greatly on the site, and this with the erection of tide house, may safely be put at not less than	500	
Barograph	40	
Anemometer can be obtained from the Meteorological Office if required.		
Standard Mercurial Barometer can also be obtained from the Meteorological Office.		
Testing and putting instruments in position for three stations, $300; one station	100	
Heater and piping	50	
		$965

Maintenance Estimate.

Salary of observer, $250 per year, $125 to be regular salary, and the other to be dependent on certificate of the inspecting officer that the work has been well and carefully performed	250	
Hard coal for heating apparatus	50	
Stationery and sundries	50	
Unforeseen contingencies	50	
		400
Cost of one station of Meteorological Office supplies meteorological instruments for construction account		965
For maintenance per annum		400
Total		$1,365

Cost for the current year.

I would ask that permission be granted to establish the three standard stations on the Atlantic coasts :

Cost of this say	$3,000
Maintenance of 3 stations for 1 year	1,200
10 tide staff stations at $200 per station, being $50 per month for readings, for three months and $50 for construction, stationery, &c	2,000
Travelling expenses, organising officer	750
Working up existing Halifax tidal records and predicting tides for 1889	800
Working up data from tide staff stations, 10 stations, at $100 per station	1,000
	$8,750
Add for unforeseen contingencies	1,250
Estimate for fiscal year 1888-89	$10,000

The discussion of the observations and prediction of the tides therefrom will form a separate item of expense. If Sir Wm. Thomson's Harmonic Analyser which Professor Darwin informs me is shortly to be placed in his care, proves successful in its operations, the analysis will be performed by passing the curves themselves through the machine, and then all the cost of measuring the traces and summing and meaning the ordinates is saved. It is not known yet what the actual cost will be of the mechanical analysis of the observations, but it must certainly be very much less than that which would have to be paid for arithmetical computations.

If this part of the work is performed by the Cambridge Mathematical and Scientific Instrument Company, and the results handed to Mr. Roberts, his charge for making final reductions and predicting the tides, both time and height for one year would be about £17 or say $85 for each station.

The following is an extract from a letter of Mr. Roberts, of the Nautical Almanac Office, London, to Professor Darwin :—

"The cost of reduction of a year's curves may be estimated at £1 10s. per series and for say 16 series £24. The measurement of the heights from the tide record, the reduction of the long period tides, and the final analysis would be about £6. The cost of preparing a year's curves high and low waters, times and heights with printing and supplying 300 bound copies is about £27. If supplied in manuscript, the cost would be £10 less."

If the work is done by arithmetical computation, the traces being measured here and the abstracted values, corrected for changes of zero, sent to Mr. Roberts, the total cost of converting the observations into tide tables for the use of mariners, apart from the question of printing would be £47, or say with an allowance for contingencies $250 per station.

It must, however, be borne in mind that this expense will be reduced in future years to £17 per station, this being the cost of making the predictions when once the principal tides values have been determined. This only applies to stations at which self registering tide gauges have been set up; at all the tide staff stations the tidal constants can be easily and fairly accurately determined in this country.

Current Observations.

I have not included in the estimate for the year any sum for these observations as the first step to be taken is to determine accurately the rise and fall and subsequently or at any time when the gauges are in actual operation the cost of construction being over the money would be available for these observations without increasing the annual amount voted.

If the amount of the estimate asked for, viz., $10,000, is granted, we will be able to publish for 1889, the Halifax tide tables and tidal constants for a number of ports and before the close of the calendar year three self registering gauges would be at work, the results from the first year's records of which might be available for the prediction of the tides for the year 1890; each succeeding year would have its quota of ten tide staff stations, and in 1889 a second batch of these self registering stations would be established, the instruments from which would be moved to other places as soon as a sufficiently lengthened series had been obtained to enable the tides to be predicted with sufficient accuracy.

I have the honour to be, Sir,
Your obedient servant,

ANDREW R. GORDON.

APPENDIX No. 37

To the Twentieth Annual Report of the Department of Marine, being a Statement respecting the Marine Hospitals, for the Fiscal Year ended 30th June, 1887.

Hospital.	Medical Superintendent.	Patients Admitted.	Patients Discharged. Cured or Relieved	Patients died in Hospital.	Patients Remaining for Treatment.
athurst, N.B.	G. M. Duncan, M.D.	11	11		
liramichi, N.B	J. S. Benson, M.D	31	30		1
ichibucto, N.B.	J. W Doherty, M.D	9	9		
ackville, N.B	H. S. Trueman, M.D	11	10		1
t Andrews, N.B.	S. T. Gove, M.D	2	2		
t. John, N.B.	L. B. Botsford, M.D.	149	134	2	13
unenburg, N.S.	S. Jacobs, M.D.	16	13		3
ictou, N.S.	John McMillen, M.D	24	22		2
oint Tupper, N.S	P. A. McDonald, M.D.	10	9		1
ydney, N.S	A. D. MacGillvary, M.D	41	40		1
armouth, N.S.	A. M. Perrin, M.D	1			1
ouris, P.E.I.	E. P. Ford, M.D.	Nil.			
ictoria, B.C.	John C. Davie, M.D	52	52		

WM. SMITH,
Deputy Minister of Marine.

APPENDIX No. 38

TO THE TWENTIETH ANNUAL REPORT OF THE MARINE DEPARTMENT, BEING LIST OF SIGNALLING STATIONS IN CONNECTION WITH THE TELEGRAPH SYSTEM OF CANADA, UNDER CONTROL OF THE MARINE DEPARTMENT.

Name of Station.	Signals in use.	Location.	Marine miles below Quebec, approximate.
L'Islet Telegraph Office	Flags	South Shore of River and Gulf of St. Lawrence	43
Rivière du Loup Lighthouse	Semaphore and Flags	do	85
Brandy Pots Lighthouse	do	do	85
Father Point Lighthouse	Flags	do	155
Little Metis Lighthouse	do	do	175
Matane Lighthouse	do	do	196
Cape Chatte Lighthouse	do	do	230
Martin River Lighthouse	do	do	255
Cape Magdalen Lighthouse	do	do	290
Fame Point Lighthouse	do	do	320
Cape Rosier Lighthouse	do	do	354
Cape Despair Lighthouse	do	Gaspé Coast of Gulf	384
Point Maquereau Lighthouse	do	do	408
Portneuf Lighthouse	do	North Shore of River and Gulf of St. Lawrence	130
Manicouagan Telegraph Station	do	do	120
Point de Monts Lighthouse	do	do	220
Egg Island Lighthouse	do	do	240
*West Point Lighthouse	do	Island of Anticosti	328
*South West Point Lighthouse	do	do	356
*South Point Lighthouse	do	do	413
*Heath Point Lighthouse	do	do	435
*Amherst Island Lighthouse	do	Magdalen Islands	475
*Etang du Nord Lighthouse	do	do	475
*Grosse Isle Telegraph Office	do	do	475
*Bird Rocks Lighthouse	do	do	480
Point Escuminac	do	New Brunswick	484
*Meat Cove Telegraph Office, near Cape St. Lawrence (the landing place of Magdalen Islands cable)	do	Cape Breton, Nova Scotia	580
Low Point Lighthouse	do	do	575
*Cape Ray Lighthouse	do	Newfoundland	551

RULES AND REGULATIONS.

1st. Vessels exhibiting their distinctive numbers will have their names transmitted to the local press (for publication only) free of charge.

2nd. Despatches to or from vessels within signalling distance, by the international code, either by flags or semaphores, will be duly delivered as addressed.

3rd. Despatches will be charged for at the ordinary telegraph rates, between stations; but no charge will be made for signalling between coast stations and vessels at sea.

4th. Despatches may (by special request) be delivered in cipher, otherwise they will be transmitted in ordinary language.

5th. Vessels may obtain information as to winds, weather and ice at any signal station within the River and Gulf of St. Lawrence free of charge.

6th. The stations marked thus (*) are kept specially informed respecting the state of navigation in the River and Gulf during the months of April and May.

WM. SMITH,
Deputy Minister of Marine.

H. J. McHugh,
Inspector Signal Service.

APPENDIX No. 39

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT ON THE DECAYED PILOT FUND OF MONTREAL, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HARBOUR COMMISSIONERS' OFFICE,
MONTREAL, 24th January, 1888.

SIR,—I have the honour to transmit for the information of the Honourable the Minister of Marine, the following statement of the receipts and disbursements of the "Montreal Decayed Pilots Fund," for the year ending 31st December, 1887.

Receipts.

For poundage collected at Montreal	$2,507 24	
do do Three Rivers	74 83	
do do Sorel, 1886-87	46 20	
do sundry small amounts	17 92	
From interest on investments and on cash in bank, &c	2,399 32	
		$5,045 51

Disbursements.

Paid pensions to old and infirm pilots and widows of pilots	$3,070 00	
Paid exchange on Three Rivers and Sorel drafts	0 53	
		$3,070 53
Showing a net increase for the year of		$1,974 98

There have been as pensioners on the Fund during the year, four old pilots and eighteen widows of pilots, of whom Dame Gilles Eugénie Gauthier, widow of the late Antoine Félix Hamelin, pilot, is reported to have died on the 25th December.

The scale of pensions was considered by the Commissioners twice during the year, with the result, that on the 31st August, the allowance to the old pilots was increased from $200 to $300 per annum, said increase to date back to the payment made on 1st May; while on the 10th November, it was decided that the pensions of widows should be increased one-third, to date from the payment due on 1st February, 1888.

Of the eighteen widows, thirteen have received during the past year $112 per annum, three have received $96 per annum, and two have received $88 per annum, paid quarterly on the 1st February, 1st May, 1st August and 1st November.

The scale for widows' pensions is fixed by length of service of their late husbands.

I have the honour, to be, Sir,

Your obedient servant,

ALEXANDER ROBERTSON,
Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

Dr. H. D. Whitney, Treasurer, in account with the Decayed Pilot Fund. **Cr.**

1887.		$ cts.
Jan. 1	To Balance brought forward	7,291 24
May 31	Poundage collected at Montreal, for May	211 63

1887.		$ cts
Feb.	By Paid 3 months' pensions, to 1st February :—	
Jan. 7	Old Pilot Adolphe Lisé (3 mos., to 1st Nov, 1886)	50 00
do 28	Widow Isaïe Beaudry	28 00
do 28	Old Pilot Joseph Dussureau	50 00
Feb. 1	Widow Zéphirin Boudreau	28 00
do 1	do Hubert Lemai	28 00
do 1	do Moïse Biron	22 00
do 1	Old Pilot J. B. Dorval	50 00
do 1	Widow Edouard Boudreau	28 00
do 1	do Olivier Abelle	28 00
do 1	do Eusèbe Toupin	24 00
do 2	do David Bouille	22 00
do 2	do David Mathieu	24 00
de 2	do Narcisse Bouille	28 00
do 2	do Sévère Bellisle	28 00
do 2	do Louis Narcisse Bouille	28 00
do 2	do Placide Gaillardet	28 00
do 3	Old Pilot Onésime Naud	50 00
do 3	Widow Félix Hamelin	28 00
do 7	do Olivier Raymond	28 00
do 11	do Edouard Naud	24 00
do 16	do Zéphirin Mayrand	28 00
	Paid 3 months' pensions, to 1st May :—	
April 22	Old Pilot Adolphe Lisé (3 months, to 1st Feb.)	50 00
do 28	do Joseph L Dussureau	50 00
do 28	Widow Isaïe Beaudry	28 00
do 30	do David Mathieu	24 00
May 1	do Moïse Biron	22 00
do 1	do Sévère Bellisle	28 00
do 1	do Edouard Boudreau	28 00
do 1	do David Bouille	22 00
do 1	do Eusèbe Toupin	24 00
do 1	do Narcisse Bouille	28 00
do 1	do Louis Narcisse Bouille	28 00
do 1	do Zéphirin Mayrand	28 00
do 1	do Zéphirin Boudreault	28 00
do 2	Old Pilot J. B. Dorval	50 00
do 2	Widow Placide Gaillardet	28 00
do 2	do Olivier Abelle	28 00
do 2	do Hubert Lemai	28 00
do 3	Old Pilot Adolphe Lisé	50 00
do 3	Widow Félix Hamelin	28 00

Carried forward	$ 7,502 87	Carried forward	$ 1,382 00
do 3		Old Pilot Onésime Naud	50 00
do 5		Widow Edouard Naud	24 00
do 31		do Olivier Raymond	28 00
June 10		do Hector Hamelin	28 00

DR. ALEXANDER ROBERTSON, Treasurer, in account with the Decayed Pilot Fund. CR.

1887.			$ cts.
	Brought forward		7,502 87
June 30	To Poundage collected at Montreal for June		429 68
July 4	Harbour coupons for 1887—		
	Series P, No. 81 *i.e.*, 2, at $60	$ 120 00	
	do R do 117-119 *i.e.*, 6, at $30	180 00	
	do M do 154-156 do 6, at $32.50	195 00	
	do N do 36-43 do 16, at $65	1,040 00	
	do D do 45-49 do 10, at $25	250 00	
			1,785 00
do 4	5 per cent. interest on Corporation Stock for 1887		250 00
do 4	Proceeds Montreal Water Works Bond matured	$2,000 00	
do 4	1 coupon on do	60 00	
			2,060 00
do 22	Poundage on U.S. "Galena," up		2 23
do 30	do collected at Montreal for July		443 90
Aug. 8	do on U.S. "Galena," down		2 23
do 8	do French "La Minerve," up		2 87
do 8	do on an American propellor taken up by Treflé Toupin		0 94
do 31	do collected at Montreal for August		428 75
Sept. 26	do on "La Minerve," down		2 87
do 30	do collected at Montreal for September		377 26
Oct. 19	do on H.M.S. "Tourmaline," up and down		4 83
do 31	do collected at Montreal for October		349 89
Nov. 25	do collected at Three Rivers for 1887		74 83
do 30	do collected at Montreal for November		266 13
Dec. 1	do collected on steamer "Polina," up		1 95
do 22	do collected at Sorel from Dec. 3, 1885, to Nov. 10, 1887		46 20
do 31	Balance of interest from City and District Savings Banks, &c., to 31st December, on cash balance uninvested		149 32

1887.		$ cts.
	Brought forward	1,382 00
	By Paid 3 months' pensions to 1st August—	
Aug. 1	Old Pilot Onésime Naud	50 00
do 1	Widow Félix Hamelin	28 00
do 1	do Olivier Abelle	28 00
do 1	do Hubert Lemai	28 00
do 1	do Zéphirin Boudreau	28 00
do 3	Old Pilot J. B. Dorval	50 00
do 4	Widow Edouard Naud	24 00
do 5	Old Pilot Adolphe Lisé	50 00
do 5	Widow Sévère Bellisle	28 00
do 5	do Eusèbe Toupin	24 00
do 5	do Narcisse Bouille	28 00
do 5	do David Mathieu	24 00
do 5	do David Bouille	22 00
do 5	do Narcisse Bouille	28 00
do 5	do Placide Gaillardet	28 00
do 5	do Isaïe Beaudry	28 00
do 5	Old Pilot Joseph L. Dussureau	50 00
	Widow Edouard Boudreau	28 00
	do Moïse Biron	22 00
	do Zéphirin Mayrand	28 00
	do Olivier Raymond	28 00
	Old Pilot Adolphe Lisé, extra pension due 1st May, and 1st August, paid 22nd September, 1886, as per receipt to Mr. Whitney	50 00
	Old Pilot Onésime Naud, extra pension due 1st May, and 1st August, paid 3rd February and 3rd May	50 00
	Old Pilot J. B. Dorval, extra pension due 1st May, and 1st August	50 00
	Old Pilot Jos. L. Dussureau, extra pension due 1st May and 1st August	50 00
	By Paid 3 months' pensions to 1st November—	
Oct. 29	Widow Hubert Lemai	28 00
do 29	do Olivier Abelle	28 00
Nov. 2	Old Pilot Onésime Naud	75 00
do 2	Widow Zéphirin Boudreau	28 00
do 2	do Félix Hamelin	28 00
do 4	do Zéphirin Mayrand	28 00
do 4	Old Pilot J. B. Dorval	75 00
do 4	Widow Narcisse Bouille	28 00

			do 4	do Sévère Bellisle	28 00
			do 4	do Narcisse Bouille	28 00
			do 4	do David Bouille	22 00
			do 4	do Placide Gaillardet	28 00
			do 4	do Isaïe Beaudry	28 00
			do 4	do Eusèbe Toupin	24 00
			do 4	do Moïse Biron	22 00
			do 4	do Edouard Boudreau	28 00
			do 4	Old Pilot Joseph L. Dussureau	75 00
			do 4	Widow David Mathieu	24 00
			do 5	do Hector Hamelin, 3 months to 1st May	28 00
			do 5	do do 3 months to 1st August	28 00
			do 5	do do 3 months to 1st November	28 00
			do 18	do Edouard Naud	24 00
			do 25	Paid for draft sent up by Collector of Customs, Three Rivers	0 25
			do 25	Widow Olivier Raymond	28 00
				Old Pilot Adolphe Lisé	75 00
			Dec. 22	Amount deducted by Jos. Mathieu, Collector of Customs, Sorel, for draft, &c	0 28
			Dec. 31	Paid for Harbor Debentures, Series F, 30 years, 4 per cent., dated 5th July, 1887, purchased 5th July, at 98½ per cent., Nos. 164-168 inclusive, $5,000	4,925 00
				Paid for Harbour Debentures, purchased 31st Dec. (with coupons for current interest, due 5th Jan., 1888, attached), Nos. 169-172, $4,000, at 98 per cent	3,920 00
				Balance to January, 1888	2,266 22
	Total	14,181 75		Total	14,181 75

STATEMENT of Fund, 1887.

No.	Series.	—	$ cts.
154–156	M	Montreal Harbour Debentures, 6½ per cent., 3 at $1,000	3,000 00
36–43	N	do 6½ do 8 at 2,000	16,000 00
81	P	do 6 do 1 at 2,000	2,000 00
117–119	R	do 6 do 3 at 1,000	3,000 00
45–49	D	do 5 do 5 at 1,000	5,000 00
164–172	F	do 4 do 9 at 1,000	9,000 00
		City of Montreal Consolidated Fund, 5 per cent., 50 at $100	5,000 00
		Cash in City and District Savings Bank, at 3 per cent.	2,108 92
		Cash on hand	157 30
		Total	45,266 22

ALEXANDER ROBERTSON,
Treasurer.

MONTREAL, 31st December, 1887.

We hereby certify that we have examined the statement of receipts and disbursements of the Treasurer of "The Montreal Decayed Pilot Fund," for the year ended 31st December, 1887; also the securities mentioned in the above statement, as belonging to this Fund, and the cash on hand, all of which we find to be correct.

RIDDELL & COMMON,
Auditors.

MONTREAL, 8th February, 1888.

SUPPLEMENT

TO THE

TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE BEING FOR THE FISCAL YEAR ENDED 30TH JUNE, 1887.

REPORTS

OF THE

CHAIRMEN OF THE BOARDS OF

STEAMBOAT INSPECTION

AND EXAMINERS OF MASTERS AND MATES,

THE

TORONTO, MONTREAL, QUEBEC AND PICTOU

HARBOUR COMMISSIONERS,

THE PILOTAGE AUTHORITIES,

THE HARBOUR AND SHIPPING MASTERS, CERTAIN PORT WARDENS, AND ON HARBOUR POLICE OF MONTREAL AND QUEBEC, TOGETHER WITH STATEMENT OF WRECKS AND CASUALTIES AND LIST OF REWARDS FOR SAVING LIFE.

CHIEFLY UP TO THE

31 DAY OF DECEMBER, 1887.

PRINTED BY ORDER OF PARLIAMENT.

OTTAWA:
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1888.

A. SENECAL,

SUPERINTENDENT OF PRINTING.

SUPPLEMENT.

The Hon. Geo. E. Foster,
Minister of Marine and Fisheries.

Sir,—I have the honour to submit herewith Supplement to the Twentieth Annual Report of the Department of Marine, being for the year 1887, containing the Reports of the Chairmen of the Boards of Steamboat Inspection and Examiners of Masters and Mates, the Toronto, Montreal, Quebec and Pictou Harbour Commissioners, the Pilotage Authorities, the Harbour and Shipping Masters, certain Port Wardens, and on the Harbour Police of Montreal and Quebec, together with Statement of Wrecks and Casualties and List of Awards for Saving Life.

My remarks on the subjects specified in the above mentioned Reports, will be found in the Annual Report of this Department, submitted on the 1st January last.

I have the honour to be, Sir,
Your most obedient servant,

WM. SMITH,
Deputy Minister of Marine.

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APPENDIX No. 1.

STEAMBOAT INSPECTION.

SUPERVISING INSPECTOR'S OFFICE,
TORONTO, 1st January, 1888.

HON. GEORGE E. FOSTER,
Minister of Marine and Fisheries.

SIR,—I beg leave to submit herewith my annual report, for the year ended 31st December, 1887.

Referring to casualty returns, the loss of the propeller "California" is the most serious reported, involving the loss of two passengers, the purser, two fireman, the ladies' maid, the cook, a cabin boy, and a deck hand—nine lives in all.

The vessel foundered near St. Helena Island, Lake Michigan, about 1 a.m., on the 4th October last. She was built at Hamilton, Ontario, in 1870, and was lengthened 35 feet in 1882. She registered 902 tons gross, was owned by Messrs. Crangle & Geddes, of Toronto, and classed as a passenger and freight boat. She had at the time of the disaster 20,000 bushels of corn, and 700 barrels of pork on board. The cause of the loss is attributed to stress of weather and doubtful seamanship. An investigation into the cause of the loss has been instituted by Order in Council, the result of which has not yet been made known to the public.

June 17th. The C.P.R. steamer "Athabasca," ran on Cove Island, Lake Huron, in a fog. She was got off without material injury to the vessel.

August 4th. The steamer "Hiawatha," of Sarnia, Ontario, while lying at the wharf at Port Huron, Michigan, U.S., was burned to the water's edge. She has since been repaired.

August 19th. The propeller "Celtic," of Hamilton, broke the crank-pin of her engine. No other damage resulted.

September 13th. A collision occurred on Toronto Bay between the steamers "Sadie," "Queen City," and "Gertrude," passenger ferry boats running between the city and the Island, resulting in the sinking of the "Gertrude" and the loss of one life. An investigation into the cause was ordered, but the result is not reported.

September 15th. The steamer "D. Foster," a small passenger boat, owned by David Foster, of Port Burwell, was burned at Port Burwell; a total loss.

September 23rd. The "Ada E. Allen," a freight barge, was burned at Amherstberg; a total loss.

October 3rd. Propeller "Albion," of St. Catharines, Ont., stranded between Grindstone City and Port Austin, Lake Huron. Her crew, 12 in number, were rescued by the life-saving crew at Grindstone City.

October 19th. Propeller "Lincoln," built at St. Catharines, 1872, owned by James Norris, of that place, stranded near the Fishing Islands, east coast of Lake Huron. The vessel was loaded with railway ties, and bound for Chicago. Vessel a total loss; no lives lost.

October 24th. Propeller "City of Owen Sound," a passenger and freight boat, built at Owen Sound, Ontario, in 1875, owned by the Canada Lake Superior Transit Company, of Collingwood, Ontario, struck a rock at Clapperton Island, Georgian

Bay, during a snow storm, and sunk in 108 feet of water. She had on board 24,000 bushels of corn in the hold, and a deck load of fish. Vessel and cargo a total loss; no lives lost.

October 25th. The schooner "Oriental," in tow of the propeller "Scotia," foundered off Port Dalhousie, Lake Ontario, in a furious gale of wind. The crew, five in number, were all lost. An investigation into the cause of this disaster has been made by Order in Council provided for under provisions of the Steamboat Inspection Act. Acting as commissioner in the enquiry, I have reported to the Minister of Marine and Fisheries the result of the investigation.

November —— Tug "Steve H. Lyon" burned in the Welland Canal; total loss.

November 25th. Tug "C. J. G. Munro" partially burnt in the Welland Canal.

December —— Passenger steamer "C. H. Merritt," of Chatham, Ontario, burned at Chatham; a total loss.

Kingston Division.

No accidents involving loss of life have occurred in this division.

A break down in the engine of the steamer "Pierrepont" occurred in April. A collision between the steamer "Nile" and tug "Antelope," resulting in the sinking of the "Nile," occurred on the Bay of Quinté in August; a break in the engine of the "Alexandria" in the same month, and the total loss of the tug "Coboconk" by fire, are the casualties reported.

Montreal Division.

No loss of life reported in this division. The total loss by fire of the tugs "St. George," "Buckingham" and "Levi Young," and the sinking of the steamer "Lady Forrest," near the village of Buckingham; no cause given. The burning of the ferry boat "Raftsman," running between Caughnawaga and Lachine; also, the burning of the steam barge "Rose" at Montebello, make up the list of casualties in this division.

Quebec Division.

No loss of life reported in this division. Accidents to the engine and machinery, not endangering life, occurred on the steamers "Quebec," "Canada," "Union," "Etoile," "St. Croix" and "Brothers."

Nova Scotia, New Brunswick and Prince Edward Island Division.

Mr. Inspector Stevens reports the following casualties in the Nova Scotia and New Brunswick division:—Freight steamer "Sir John" burnt in the Bay of Fundy one of the crew drowned. Tug "Xiphias" burnt at Fredericton, N.B. Passenger steamer "Hiawatha," of Windsor, N.S., broke her machinery between Hantsport and Windsor, and had to return to Hantsport for repairs.

Mr. Inspector Coker reports the iron steamer "Secret," while on her passage from Digby, N.S., to St. John, N.B., struck the ground, damaging her stern, garboard plates, angle irons, &c., of her bottom. She was docked for repairs at Portland, Maine, in June, 1887.

The paddle steamer "City of St. John" grounded at the wharf in Barrington Passage, N.S., receiving some damage. She was put on the railway slip at Dartmouth, N.S., and thoroughly repaired, bottom caulked, &c.

No loss of life is reported in the above division.

British Columbia Division.

July 7th. The steamer "Duchess," on the passage from Golden to Kootenay sunk in the Fraser River.

November 9th. The steamer "Pearl" sunk on her passage from the North Arm to Burrard Inlet.

November 28th. The steamer "Gladys" sunk at the dock at New Westminster.

No explanation is given by the inspector as to the cause of these disasters, or what resulted from them, either to life or property.

MANITOBA AND NORTH-WEST DIVISION.

No loss of life is reported in this division, other than that of an insane person who escaped from his keepers on the steamer "Glendevon," and jumped overboard and was drowned.

The tug "Thistle" sunk at Fort Francis in July; cause of the sinking not given.

The operation of the amendments to the Act made by Parliament in 1886, have worked satisfactorily. The increased working pressure demanded for steamboat boilers, to meet the requirements of the compound engine, necessitate some enlargement of our present rules to meet the higher limit of strength allowed for steel used in boilers under certain conditions of manufacture and tests. The want of testing machines is very much felt by inspectors in such cases, as they must accept the manufacturer's statements of strength of material, or refuse the certificate on the ground of want of proof.

The importance of this may be judged by the fact that the Imperial Board of Trade rules allow 9,000 pounds as the limit of stress for steel stays against 6,000 pounds, our limit. A boiler manufactured in England and passed for 150 pounds, working pressure, would be cut down to 100 pounds by our law relating to stay power.

At the instance of the Auditor General, regulations have been adopted by the Department requiring inspectors to make monthly returns to the chairman of certificates of inspection issued by them, to owners and masters of steamboats, in view of accounting for the dues and fees paid to collector of customs on that account.

Similar returns are also required of examiners of engineers of fees received for certificates of competency, which are to be deposited by them to the credit of the Government, and accounted for monthly to the chairman, who is to account for them in like manner to the Department.

The system of these returns will, I think, work satisfactorily, both in the interest of the public and of the Department.

The following tables, relating to steam vessels in the Dominion, dues and fees collected on account of their inspection, receipts in full on account of the same, including fees from engineers, steam vessels added to the Dominion, and engineers' certificates issued during the year 1887, including those issued during that year for the year previous to avoid lapsing, are appended.

I am, Sir,

Your most obedient servant,

SAMUEL RISLEY,

Chairman Board of Steamboat Inspectors.

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NUMBER and Gross Tonnage of Steam Vessels in the Dominion, during the Year ended 31st December, 1887.

Divisions.	Number of Steamers.	Gross Tonnage.
West Ontario, Huron and Superior	307	57,168·91
Kingston	129	16,091·25
Montreal	148	19,345·00
Quebec	154	42,529·00
Maritime Provinces	153	23,161·96
Manitoba, Keewatin and North-West Territories	61	5,874·91
British Columbia	79	10,725·40
Total	1,031	174,895·43

DUES and Fees collected on account of Steamboat Inspection, during the Year ended 31st December, 1887.

Divisions.	$ cts
West Ontario, Huron and Superior	3,745 1[illegible]
Kingston	1,292 7[illegible]
Montreal	1,387 6[illegible]
Quebec	2,273 0[illegible]
Maritime Provinces	1,413 1[illegible]
Manitoba, Keewatin and North-West Territories	526 4[illegible]
British Columbia	1,063 2[illegible]
Total	11,671 5[illegible]

RECEIPTS on account of Steamboat Inspection, during the Year ending 31st December, 1887.

—	$ cts.	$ cts.
West Ontario, Huron and Superior—		
Steamboat Inspection fees and dues	3,745 19	
Engineers' fees	519 00	
		4,264 19
Kingston—		
Steamboat Inspection fees and dues	1,292 78	
Engineers' fees	138 00	
		1,430 78
Montreal—		
Steamboat Inspection fees and dues	1,357 64	
Engineers' fees	143 00	
		1,500 64
Quebec—		
Steamboat Inspection fees and dues	2,273 08	
Engineers' fees	206 00	
		2,479 08
Maritime Provinces—		
Steamboat Inspection fees and dues	1,413 11	
Engineers' fees	271 00	
		1,684 11
Manitoba and Keewatin—		
Steamboat Inspection fees and dues	526 49	
Engineers' fees	16 00	
		542 49
British Columbia—		
Steamboat Inspection fees and dues	1,063 21	
Engineers' fees	89 00	
		1,152 21
Total Receipts		13,053 50

STEAM Vessels added to the Dominion during the Year ended 31st December, 1887.

Divisions.	Number of Vessels.	Gross Tons.	Registered Tons.
West Ontario, Huron and Superior	37	989·78	680·32
Kingston	5	316·09	157·94
Montreal	4	370 00	243·00
Quebec	9	109·91	70·13
Maritime Provinces	10	601 85	305·61
Manitoba, Keewatin and North-West Territories	8	343·70	352·69
British Columbia	8	695·49	460·85
Totals	81	3,436·82	2,270·54

ENGINEERS' Certificates issued during the Year 1887, their Classification and Grade.

First Class	45
Second Class	238
Third Class	502
Fourth Class	73
Total	858

NUMBER and Gross Tonnage of Steam Vessels in the Dominion, during the Year ended 31st December, 1887.

Divisions.	Number of Steamers.	Gross Tonnage.
West Ontario, Huron and Superior	305	57,138·00
Kingston	128	15,907·67
Montreal	148	19,345·00
Quebec	144	41,787 00
Maritime Provinces	150	20,950·67
Manitoba, Keewatin and North-West Territories	61	5,874·91
British Columbia	69	9,513·56
	1,005	170,516·81

DUES and Fees collected on account of Steamboat Inspection, during the Year ended 31st December, 1887.

Divisions.	$ ct
West Ontario, Huron and Superior	3,505 4
Kingston	1,267 2
Montreal	1,254 6
Quebec	2,180 4
Maritime Provinces	1,061 4
Manitoba, Keewatin and North-West Territories	526 4
British Columbia	927 0
	10,922 7

STEAM Vessels added to the Dominion during the Year ended 31st December, 1887.

Divisions.	Number of Vessels.	Gross Tons.	Registered Tons.
West Ontario, Huron and Superior	35	958·87	659·30
Kingston	4	132·51	59·78
Montreal	4	370·00	243·00
Quebec	.....	.....	.....
Maritime Provinces	7	384·87	278·65
Manitoba, Keewatin and North-West Territories	8	343·70	227·42
British Columbia	5	536·12	352·69
	63	2,726·07	1,820·84

RECEIPTS on account of Steamboat Inspection, during the Year ended 31st December, 1887.

Divisions.	$ cts.	$ cts.
West Ontario, Huron and Superior—		
Steamboat inspection, dues and fees	3,505 46	
Engineers' fees	480 00	
		3,985 46
Kingston—		
Steamboat inspection, dues and fees	1,267 22	
Engineers' fees	132 00	
		1,399 22
Montreal—		
Steamboat inspection, dues and fees	1,254 64	
Engineers' fees	35 00	
		1,289 64
Quebec—		
Steamboat inspection, dues and fees	2,180 40	
Engineers' fees	53 00	
		2,233 40
Maritime Provinces—		
Steamboat inspection, dues and fees	1,261 47	
Engineers' fees	183 00	
		1,414 47
Manitoba, Keewatin and North-West Territories—		
Steamboat inspection, dues and fees	526 49	
Engineers' fees	.....	
		526 49
British Columbia—		
Steamboat inspection, dues and fees	927 07	
Engineers' fees	47 00	
		974 07
Total Receipts	.....	11,852 75

ENGINEERS' Certificates issued during the Year 1887, their Classification and Grade.

First class	33
Second class	170
Third class	342
Fourth class	72
Total Number	617

STEAMBOAT Engineers' Examinations and Renewals during the year ended 31st December, 1887, the name of the Engineer, Class, and the Fee paid.

Name of Engineer.	Class	Fee.
1887.		$
Certificates issued to Engineers by the Honorable The Minister of Marine and Fisheries during the year 1887 under the Act 49 Victoria, chap. 34.		
A		
Aston, Joseph	4	1
Aston, John Whitlemore	2	1
Anderson, James Peter	3	1
Adams, Thomas Alexander	3	1
Andrew, Alexander George	4	1
Allison, William H	3	1
Audette, Pierre	3	1
Armstrong, John	3	1
Allison, James L	3	1
Andrews, Hugh	3	1
Allen, Harmon	2	1
Anderson, John	3	1
Anderson, James	3	1
Alexander, Neil Livingstone	1	1
Allen, George Wyman	3	5
Andrew, Alexander George	3	5
B		
Brown, George, No. 3	3	1
Belson, William	3	1
Bradshaw, William	3	1
Boyd, David	3	1
Barron, George	2	1
Baillie, Henry	3	1
Booth, John	2	1
Bampton, James	3	1
Brisbin, Samuel	2	1

Name of Engineer.	Class.	Fee.
1887.		$
B		
Baird, James	3	1
Brown, James, No. 2	3	1
Booth, John Jenner	3	1
Bampton, William	3	1
Banks, James D	3	1
Burrows, Charles	3	1
Brown, James Harvey	2	1
Blondin, Moses	2	1
Bracken, James	3	1
Bennett, Alfred	2	1
Beck, William	4	5
Baillie, Frederick M	3	5
Brownley, Harry	4	5
Barton, Alexander	4	1
Bourke, Michael	3	1
Barlow, Thomas	2	1
Beyer, Julius	3	1
Braund, Richard H.	2	1
Braund, Samuel H.	3	1
Black, Robert John	2	1
Bélanger, Eugène	3	1
Beaudoin, Luc	3	1
Bolduc, Jean Bpte	3	1
Boufort, Xavier	3	1
Bélanger, Germain	3	1
Battelle, Frederick	3	1
Boyd, George	3	1
Boyd, Isaac	2	1
Burke, Thomas	3	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		$	1887.		$
B			C		
Barrington, John Gaskin	2	5	Corrin, John Fletcher	3	1
Blethen, Charles	3	1	Cameron, Allan John	2	1
Brownrigg, John	3	1	Campbell, George K	3	1
Bourne, Frank William	3	1	Cail, Milo Augustus	3	1
Barton, William Irving	1	1	Cameron, Angus Allan	2	1
Boutellier, Thomas Samuel	1	1	Conrick, Thomas	3	1
Batt, George Edwin	3	1	Cartmill, Nathaniel	4	5
Batt, Frank Charles	3	1	Callaghan, Thomas Verlin (failed)	.....	5
Benson, Thomas	2	1	Cahan, Frank De Wolf	2	5
Belaire, François	3	1	Creighton, Henry C	2	5
Beaudreau, Gilbert	3	1	Champagne, Edouard O	1	1
Bonar, John	3	1	Carney, Ambrose	4	5
Blain, Thomas James	4	5	Chestnut, James	2	1
C			Cole, Thomas Bonney	3	1
Cahoon, William Ross	3	1	Carbonneau, Phidime	2	1
Cooke, Alexander	3	1	Couillard, Depré Alfred	3	1
Cronk, Lawson Burton	4	1	Catara, Emmanuel	3	1
Crossland, James	2	1	Cloutier, Joseph	3	1
Calcott, William	2	1	Côté, Alphonse	3	1
Chapman, John Henry	3	1	Côté, Germain	3	1
Carr, Patrick Joseph	3	1	Costen, Frederick	3	1
Cameron, James	2	1	Crandell, Franklin	2	1
Cockburn, John	2	1	Culbert, John L	4	1
Clancy, Michael John	4	1	Champagne, Edouard, sen	2	1
Carter, De Witt	3	1	Cremer, Charles George	3	1
Crone, John Lincoln	3	1	Chater, Thomas	3	1
Caldwell, Angus	3	1	Childs, Richard	3	5
Cragen, James	2	1	Charland, Louis	4	5
Carrick, John	4	1	Coleman, William R	3	1
Cunningham, William Henry	2	1	Cahan, Frank De Wolf	3	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		$	1877.		$
C			D		
Carrick, John	2	1	Duncan, Thomas	4	5
Caldwell, Enoch F.	2	1	Dickson, John H	2	1
Christie, John	2	1	Dodds, John	2	1
Clawson, James	3	1	Derry, William	2	1
Campbell, John William	3	1	Devan, William	2	5
Cunningham, William A	2	1	Davidson, John	2	1
Cheyne, John Frederick	3	1	Dawson, Josiah	3	1
Clarke, Joseph Henry	3	1	Dunn, Robert	3	1
Cuming, Charles	3	1	Desrocher, Louis	2	1
Cuming, John	2	1	Dion, Michel	2	1
Cox, Charles Edward	1	1	Dungan, James	2	1
Caldwell, James	2	1	Dawson, Henry	3	1
Cumming, John Cheyne	1	1	Dungan, John	2	1
Callum, William James	3	1	Downey, John, No. 1	3	1
Caswell, Alonzo F	2	1	Doan, Moses	3	5
Charland, Herménégilde	3	1	Doran, John	1	5
Cayen, Jean	2	1	Dobbie, John	1	1
Cameron, Duncan	3	5	Dion, Léon	3	1
D			Dunham, Isaac	3	5
Downey, John, No. 2	3	1	Donaldson, John M	4	5
Diamond, William	3	1	Donaldson, Frederick W.	2	1
Duvell, Francis	3	1	Donelly, John	2	1
Desaulniers, Arsène	3	1	E		
Dee, John	2	1	Elliott, Thomas	2	1
Dix, Samuel William	4	1	Ellis, James Howard	2	1
Dowzer, Charles	3	1	Edmonds, William	3	1
Dewey, William Henry	4	1	Elliott, Andrew	4	1
Dunn, Henry Alexander	3	1	Evans, William	2	1
Degge, James William	4	1	Ernst, John	3	1
Dilion, Hugh William	2	1	Evans, William Beverly	2	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class	Fee.
1887.		$
E		
Earle, Robert G	3	1
Esdaile, John P.	2	1
Estabrooke, B. C	3	1
Ewing, John J	1	1
Edgar, James	3	5
F		
Fraser, Duncan	3	1
Ferguson, John C	2	1
Fox, Edward William	3	1
Flummerfelt, Oscar	4	1
Foster, David M	3	1
Feightner, Joseph B	3	1
Fontaine, Edward	4	5
Flanagan, Patrick	3	1
Foley, David	4	5
Farr, Henry Herbert	4	1
Fahey, Patrick Joseph	3	1
Filion, Paul	3	1
Free, Henry	2	1
Fraser, Cameron	3	1
Fernie, William	1	1
Fraser, John	3	1
Foster, Andrew S	4	1
Fraser, Alexander M	2	1
Fowler, Jasper	2	1
Foster, Robert	2	1
Frechette, William	2	1
Finucan, John	2	1
G		
Gowen, John William	3	1

Name of Engineer.	Class	Fee.
1887.		$
G		
Gamble, Samuel John	3	1
Good, Thomas	3	1
Goyette, John M	2	1
Gill, Albert M	3	1
Greig, Franklin	3	5
Gillie, James	2	1
Grylls, John C. A	3	1
Green, Freeman	3	5
Grant, Michael	4	1
Gray, Thomas	3	1
Girard, Edward	2	1
Goyette, Charles	3	1
Grooms, Asael	3	1
Gill, Justus A	3	1
Greig, John Bryce	4	1
Greig, Charles	2	1
Gaetz, Andrew	3	1
Green, James	3	1
Gray, William G	2	1
Gorrell, Charles E	3	1
Gallivan, John	3	1
Gray, John Henry	3	1
Grant, Gordon F	2	1
Gendron, Charles	2	1
Gray, William James	3	1
Grimes, Joseph P	4	1
H		
Holmes, Theodore Charles	3	1
Hunter, Walter	3	1
Huff, John	3	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class	Fee.	Name of Engineer.	Class.	Fee.
1887.		$	1887.		$
H			**J**		
Holman, John Henry	2	1	Jannison, William	3	1
Hill, James Edmond	2	1	Jaques, John Wellesley	3	1
Harrington, John	2	1	Johnston, James	2	1
Hickey, James O	4	5	Johnston, David Liston	4	5
Hayter, James Henry	4	5	Johnstone, Charles	3	5
Hazlett, George	3	1	Johnston, William	2	1
Hazlett, William	2	1	Johnston, Gilbert	2	1
Hopkins, James	4	5	Johnson, Nicol	3	1
Hughes, James	2	1	Jean Marie, Xavier	3	1
Hamilton, Gavin	2	1	Jourdain, Dosithé	3	1
Hiscock, Edward E	3	1	Jimason, Isaac	3	1
Hickey, James	2	1	Johnson, George	3	1
Henderson, George	3	1	Jento, Napoleon T	3	1
Hazlett, John	2	1	Jento, Timothy	2	1
Howard, John	2	1	Jackman, Thos. William	3	1
Hopkins, William	3	1	Jones, Hiram Briggs	3	1
Horgan, Thomas	3	1	Johnson, John Peter	2	1
Hand, Frederick Henry	4	5	Jacobs, Silas H	3	1
Humphrey, William Henry	2	1	James, James	3	1
Haviland, Thomas	3	1	Judson, William Henry	3	1
Hatheway, Henry Alfred	1	1	**K**		
Haviland, George Thomas	3	1	Kelley, John, No. 2	3	1
Haviland, Henry Baxter	3	1	Kirkpatrick, David	3	1
Huff, George	3	1	Kennedy, William	2	1
Hickey, Patrick	1	1	Kerr, Atcheson, jun	3	1
Hardy, Cyrus	3	1	Kenney, Patrick	3	1
Hare, Michael	2	1	Kenney, John Joseph	3	1
Hodgins, Joseph	3	1	Kelley, Donald	4	5
Heverly, Silas	3	1	Kenney, Robert M	2	1
Hill, Moses	3	1	Kirkpatrick, Neil	3	1
Huffa, John	3	1	Kennedy, William	2	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.
1887.		$
K		
Kilcawley, Patrick	3	1
Kelley, William	3	1
Kinnon, John	3	1
Kennedy, William	1	1
Kennedy, David	2	1
Kennedy, John	3	1
L		
Lovley, Edward	3	1
Linter, William Henry	4	1
Lawrence, Peter	3	1
Loyd, Robert	3	1
Leitch, Thomas	2	1
Lowe, Walter	3	1
Lewis, Alexander	4	1
Lawrence, Zacharias	3	1
Lewis, William Nathaniel	2	5
Legendre, Louis Alfred	4	5
Lacroix, Jean Baptiste	2	5
Lapointe, Eusèbe	3	1
Lapointe, Joseph	2	1
Lacroix, Jean Baptiste	3	1
Lapointe; Michel	3	1
Lacerte, Roderick	3	1
Lavallée, Charles Lafayette	3	1
Leany, Walter	3	1
Leggett, James William	3	1
Leitch, Andrew	3	1
Luke, Walter George	3	1
Leonard, Edward	3	1
Langstroth, Alfred	3	1

Name of Engineer.	Class.	Fee.
1887.		$
L		
Link, James	4	1
Link, William E.	4	1
Lee, Christopher	2	1
Lawlor, Dennis	2	1
Lawson, Charles H.	2	1
M		
Munro, Daniel	2	1
Mellon, George	2	1
Mellon, John Russell	4	1
Morrow, James	3	1
Morrill, Thomas Henry	3	1
Morrison, Donald	3	1
Marriotte, Thomas	3	1
Miers, William	4	1
Mills, Thomas	3	1
Miller, George C. L	4	5
Main, Thomas	3	1
Mitchell, James	3	1
Mills, Samuel A.	4	1
Murray, Dennis James	2	5
Merrill, Francis John	Failed	5
Miller, John	2	1
Marshall, Robert	3	1
Moore, Edward	3	5
Marchand, Lucien	3	5
Morgan, Charles E	2	1
Matté, Charles	2	1
Morreau, Guillaume	2	1
Milne, Thomas	2	1
Mullin, John	3	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		$	1887.		$
M			M		
Merriam, Charles	3	1	May, William Ruscombe	3	1
Murphy, Thomas, No. 1	3	1	Morris, Edward T	4	1
Marchand, Adolphe	3	1	Menanteau, Auguste	3	1
Mundell, John	2	1	Martineau, Joseph	2	1
Maxwell, James	3	1	Marchand, Narcisse	3	1
Murray, James	2	1	Mathieu, Xavier	3	1
Matthews, Jacob	3	1	Marchand, Hilaire	3	1
Marshall, Thomas	3	1	May, John A	1	1
Miller, William	2	1	Mahaffy, Frank	4	5
Murphy, Walter	2	1	Miller, Sopha	3	5
Marshall, Irwin	3	1	Mc		
Moffatt, Thomas	3	1	McLeod, Kenneth	3	1
Mowry, Justus	3	1	McDonald, Alexander	2	1
Martel', William Edgar	3	1	McKenzie, John	3	1
Matson, George	3	1	McArthur, Alexander	2	1
Miller, John Dennison	2	1	McDermid, Hugh	4	1
Morrison, Angus	3	1	McKee, John	3	1
Murphy, Walter	3	1	McCoppen, James	3	1
Morris, Malcolm	3	1	McFadden, John C.	3	1
Morris, James Edward	1	1	McFaull, Michael, jun	3	1
Morrison, Kenneth	1	1	McFarlane, Charles	2	1
Mooney, David M. A.	1	1	McRoberts, Alexander	2	1
Marchand, Edward	2	1	McMaugh, Wm. J	2	1
Murphy, James	3	1	McKean, Edward William	2	5
Mallory, Charles	3	1	McGregor, William A	3	1
Mayer, Christian	3	1	McGee, James	3	1
Madigan, Benjamin	2	1	McCallum, John	2	1
Madden, Jeremiah	2	1	McCarron, James	4	5
Mitchell, Thomas G	2	1	McBride, Thomas	2	1
Murray, John	3	1	McLeod, David H	3	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.
1887.		$
Mc		
McInnes, Duncan	3	1
McCracken, Joseph T	3	1
McMillan, William	2	1
McFaull, Michael, sen	3	1
McBride, Robert	3	1
McBride, Archibald	2	1
McCaul, Robert	2	1
McSorley, Charles	3	1
McGillivray, James	3	1
McCallum, William	4	1
McKinnon, Albert	3	1
McPherson, Alexander	3	1
McMurray, Alexander	1	1
McDonald, John Charles	3	1
McDonald, John	3	1
McCarthy, Chas. Joseph	3	1
McDonald, Ronald	2	1
McLeod, Alexander	3	1
McKenzie, Allen	3	1
McCarthy, Daniel	3	1
McMillan, John	1	1
McLeod, John Norman	3	1
McDonald, Angus	3	1
McLeod, John Daniel	3	1
McIvor, Roderick	1	1
McArthur, James	2	1
McMurray, James Blair	3	1
McRae, Alexander	3	1
McDonald, Frank	4	5
McNabb, John	3	1
McRoberts, Alexander	2	1

Name of Engineer.	Class	Fee.
1887.		$
N		
Nisbet, John	2	1
Norcross, Samuel Rose	3	1
Norton, Francis John	3	1
Neff, Sylvanus	3	1
Nadeau, Jean	3	1
Norcross, Reuben R	3	1
Nichols, John Dorset	1	1
Noyes, John Ostrom	3	1
O		
O'Reilley, James	2	1
O'Neill, James	3	1
O'Neill, Michael J	3	1
O'Neill, Thomas	3	1
O'Brien, Lawrence	2	1
O'Reilley, Thomas	2	1
Oliver, Joseph	3	1
P		
Penton, Henry	4	1
Park, Joseph	2	1
Pirie, Alexander	2	1
Price, Alfred Eugene	3	1
Park, James Malcolm	3	1
Port, Robert Edwin	3	1
Paterson, Joseph	2	1
Palmer, Isaac Wilson	2	1
Payne, James	3	5
Painter, John	3	1
Pendergast, James	4	1
Parker, Henry	4	1
Parker, William	3	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.
1887.		$
P		
Peck, John H	3	1
Purcell, John Patrick	3	1
Pearce, William	2	1
Parks, William B	2	1
Perkins, Edward	3	1
Paul, Francis	3	1
Payne, George Washington	3	1
Payne, James George	3	1
Patterson, John	1	1
Perkins, Winter	3	1
Penny, Mhomas	3	1
Patterson, Robert	2	1
Q		
Quinn, Patrick	3	1
Quinn, Henry	3	1
Quinn, Michael	2	1
Quigley, James	3	1
R		
Raymond, Moses	3	1
Ramsay, Alexander	2	1
Reynolds, James Finley	2	1
Ross, John Alexander	3	1
Reynolds, Samuel	3	1
Rae, Edmond James	4	1
Ramsay, Joseph James	4	5
Rice, John	3	1
Robertson, Charles	3	1
Rolman, Joseph	3	1
Ross, John, No. 1	3	1

Name of Engineer.	Class.	Fee.
1887.		$
R		
Robinson, George Henry	4	1
Reed, William Ormond	3	1
Rosseau, Elizee	3	1
Roy, Francis	3	1
Ross, Robert	3	1
Ritchie, William	3	1
Retallick, John	1	1
Reardon, James Daniel	2	1
Ross, John	1	1
Ross, George	1	1
Ryan, James W	3	1
Rowe, William Charles	1	1
Roberts, William W	4	1
Robson, William	2	1
Reid, William	2	1
Robertson, John	3	1
Russell, James	3	1
Rowe, Frank Herbert	3	1
Riggs, William Gladstone	4	5
Rogers, John	3	5
Rourke, Michael	4	5
S		
Sutherland, David	2	1
Samson, Ernest	2	1
Sullivan, John Wm	3	1
Sullivan, Chas. A	3	1
Sutherland, William	3	1
Simpson, Albert	4	1
Simpson, Robert N	3	1
Smith, Frederick Edward	2	1

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.
1887.		$
S		
Smith, William	3	1
Simpson, William E	4	5
Sims, John Calais	2	5
Stewart, James	2	5
Smith, James M	4	1
Siteman, Henry J	4	5
Samson, Arthur	3	1
Sheridan, Michael	3	1
St. Arnaud, Henri	3	1
Simons, John	3	1
Smith, Thomas	3	1
Sullivan, William	3	1
Somerville, Francis	2	1
Somerville, Samuel	3	1
Simmons, Thomas	3	1
Stevens, James	3	1
Smith, William Henry	3	1
Steele, James Thomas	4	5
Smith, Frank Williamson	4	1
Suttie, Calvin D	2	1
Strickland, James L	3	1
Stevens, Douglas	1	1
Smith, James Lorne	3	1
Smith, Frederick A	3	1
Smith, Duncan Wilmot	2	1
Salter, William Henry	2	1
Smith, George Douglas	3	1
Shepherd, Edward Charles	4	1
Stalker, Hugh	3	1
Stephen, David	2	1

Name of Engineer.	Class.	Fee.
1887.		$
S		
Summerville, William	2	1
Saxby, Robert	4	5
Sangster, Charles	3	1
Smiley, John	3	1
Scott, Walter	2	1
Samson, Odine	3	1
Steele, Wm. Anderson	1	1
T		
Thorpe, George	3	1
Thanguay, Théophile	3	1
Trotter, Wm. Fleming	3	1
Townsend, Wm	3	1
Tabor, George Lee	3	1
Taylor, Joseph F., jun	3	5
Taylor, Edward J	4	1
Thériault, Siméon	4	5
Taylor, Joseph F., sen	1	1
Thanguay, Isadore	2	1
Thériault, Francis, jun	3	1
Thurston, Henry	2	1
Taudvin, Daniel	2	1
Thorne, John Frederick	2	1
Thornton, John	3	1
Turner, James	1	1
Teschner, Herman	3	1
Tobin, Samuel K	3	5
Tower, William Henry	3	1
Thompson, Joseph E	3	5
U		
Utter, William Curtis	1	5

STEAMBOAT Engineers' Examinations and Renewals, &c.—*Continued.*

Name of Engineer.	Class.	Fee.
1887.		$
V		
Vreeland, David	2	1
Van Bramer, James	3	1
W		
Whitty, David T. H.	3	1
Watson, Joseph C	3	1
Warner, Christopher	3	1
Wilcox, George Henry	3	1
Wheeler, Frederick E	2	1
Westaway, John	2	1
White, Frank	3	1
Webster, William	2	1
Whipps, William	4	1
Wilson, Henry Thomas	3	1
Wilson, James Miller	3	1
Wood, William	4	5
Wilson, James	3	1
Wilson, Finley	4	5
Wilder, William J	3	1
Welch, Warren	3	1
Weinert, John Joseph	4	1

Name of Engineer.	Class	Fee
1887.		$
W		
Walton, Thomas	3	1
Wells, Joseph Peter	2	1
Wool, Joseph	3	1
Wells, Star S	3	1
Watts, William F	4	1
Wilson, William	3	1
Webster, Henry	3	1
Wells, William Firth	1	1
Warren, Archibald	1	1
Wilder, Willard	2	1
Wilson, Thomas	2	1
White, James L	3	1
Warren, Augustus	2	1
Wendt, John	3	1
Wallace, James, sen	2	1
Wickens, Robert	3	1
Warren, Frederick	3	1
White, John	3	1
Waring, William Lee	1	1
Walsh, William	1	1
Wadsworth, Thomas	2	1

STEAMBOAT Engineers' Examinations and Renewals during the year ended 31st December, 1887, the name of the Engineer, Class, and the Fee paid.

Name of Engineer.	Class.	Fee.
1886.		$
Renewals during the year 1887 *for* 1886.		
A		
ıbain, Michel	2	1
B		
urne, Frank Wm	3	5
utiller, Thomas Samuel	1	5
nks, James D.	3	1
aund, Richard Henry	2	1
C		
ıristie, John	2	5
ıarland, Victor	2	5
D		
an, Cyrus S.	2	1
E		
nst, John	3	1
lenburg, Peter	3	5

Name of Engineer.	Class.	Fee.
1886.		$
G		
Grant, Michael	4	5
L		
Lacroix, Wilbrod	2	5
R		
Ralph, Josiah	1	5
Ross, John, No. 1	3	1
Ross, Robert	3	1
S		
Smith, Duncan Wilmot	2	1
Sabourin, David	3	5
T		
Thauguay, François X.	3	5
W		
Wool, Joseph	3	1

STEAM Vessels Inspected for the Year ended 31st December, 1887.
WEST ONTARIO AND HURON DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Athabasca	507	April 1	1,774	78 96	Screw, passenger.
Alberta	528	March 31	1,779	79 16	do do
Armenia	125	April 18	925	45 00	do do
Africa		do 23	482	24 28	do freight.
Atlantic	318	do 26	682	35 32	do passenger.
Alfred Morrell		do 26	40	6 60	do fishing tug
Arlington	100	May 19	23	5 93	do passenger.
Ann Long		July 4	40	6 80	do fishing tug
Argosy		August 3	1		do yacht.
Bruno		April 18	475	24 00	do freight.
Belle		May 4	7	5 28	do fishing tug
Bertha May		July 20	20	5 80	do tug.
Bruce		August 5	16	5 64	do do
Bella		do 5	21	5 84	do yacht.
Conqueror		April 14	25	6 00	do tug.
California	125	do 18	902	44 08	do passenger
Cuba	125	do 18	931	45 24	do do
City of Owen Sound	323	do 22	1,093	51 72	do do
City of Montreal		do 22	297	16 88	do freight.
Chicora	772	do 30	930	45 24	do passenger
Canadian	308	May 10	231	17 24	do do
C. W. Chamberlain		June 6	385	20 40	do freight.
Chicoutimi	289	May 21	110	12 40	Paddle, passenge
Cherokee		Not certificat'd	179	12 16	Screw do
Comet			20		do tug.
Cecebe	7	July 22	11	5 44	do passenge
Dauntless		June 24	7	5 28	do tug.
Ethel		do 6	13	5 52	do fishing tu
Esperanza		May 10	22	5 88	do yacht.
Eagle		June 17	12	5 48	do do

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
terprise	188	July 26	148	13 92	Screw passenger.
angeline		August 5	24	5 92	do yacht.
ith May		do 17	45	6 80	do passenger.
nk Jackman		April 4	39	6 56	do tug.
nces Smith	298	do 22	1,323	60 96	Paddle, passenger.
B. Maxwell	290	May 2	497	27 88	do do
d. Davidson		June 13	43	6 73	Screw, tug.
rence	30	July 23	8	5 32	do passenger.
rtrude	163	May 11	76	8 04	do do
neva	257	do 12	97	8 88	do do
orgian		do 16	377	20 08	do freight.
ace Darling		June 20	28	6 12	do fishing tug.
psy		July 26	20	5 80	do yacht.
ather Belle		April 23	20	5 80	do fishing tug.
ron		do 25	70	7 76	do tug.
awatha		do 26	39	6 56	do do
L. Lovering		May 5	55	7 20	do do
me Rule		June 14	3	5 13	do yacht.
bella		May 25	44	6 76	do tug.
ne		July 13	7	5 28	do yacht.
L. McEdwards	70	April 30	22	5 88	do passenger.
anita		May 4	5	5 20	do yacht.
an Harrison		December, 1887	44	6 16	do tug.
nie Willson		1888. August 17	7	5 28	do do
acardine		None	199	21 72	do freight.
thleen	170	May 10	110	12 40	do passenger.
nozha	40	July 20	191	15 64	do do
te Murray	10	do 20	3	5 12	do do
ella	122	May 12	38	6 52	do do
ngford	40	do 26	53	7 12	do do

STEAM Vessels Inspected, &c.—West Ontario and Huron Division—*Continued.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Leslie		do 30	11	5 44	Screw, tug.
Lake Joseph		June 20	28	6 12	do do
Lothair		July 5	413	21 48	do freight.
Lady of the Lake	30	do 20	10	5 40	do passenger.
Lady Katrine			16		do freight.
Mocking Bird	40	April 22	38	6 52	do passenger.
Mischief		do 23	9	5 36	do yacht.
Meteor	60	do 23	337	21 48	Paddle, passenger.
Mabel		August 31	11	5 45	Screw, yacht.
Maganettawan		May 4	269	18 76	do tug.
Minnie Martin		do 4	10	5 40	do do
Marshall & Murray		do 5	16	5 64	do do
Mary Beck		do 3	16	5 63	do do
Muskoka	100	June 23	99	8 96	do passenger.
Minnehaha		August 5	32	6 28	do tug.
Mary Louise	20	do 19	64	7 56	do passenger.
Niagara		April 13	468	23 72	do freight.
Northern Belle	250	do 26	514	28 52	do passenger.
Nipissing	200	June 24	275	19 00	Paddle do
Notos		July 15	16	5 64	Screw, yacht.
Northern	50	do 23	99	8 96	Paddle, passenger
Othello		April 26	8	5 32	Screw, fishing tug
Orillia	228	May 26	135	13 40	do passenger.
Oriole	40	June 24	75	8 00	do do
Ontario		do 24	11	10 88	do tug.
Onaganoh	25	August 16	19	5 76	do passenger.
Pacific	311	April 26	918	44 72	do do
Prowett Beyer	50	July 15	10	5 40	do do
Pocahontas			32	6 28	Paddle, tug.
Queen of the Isles	100	May 25	40	6 60	Screw, passenger.

STEAM Vessels Inspected, &c.—West Ontario and Huron Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Queen	20	August 26	7	5 28	Screw, passenger,
River Belle		June 2	8	5 32	do yacht.
Rupert	407	do 15	512	28 48	Paddle do
Rover		May 30	51	7 04	Screw, tug.
Rescue		June 9	7	5 28	do yacht.
Rosseau		do 24	53	7 12	do tug.
Rosamond		do 27	23	5 92	do yacht.
Rock		August 5	14	5 56	do fishing tug.
R. Kendrick		July 27	15	5 60	do tug.
Shawanaga		May 3	96	8 83	do do
Severn Belle		do 3	8	5 30	do do
Severn		do 4	44	6 76	do do
Sadie	377	do 19	154	14 16	Paddle, passenger.
Sea Flower		do 26	7	5 28	Screw, yacht.
Spartan			2		do do
Sarana					do do
Sunbeam		August 17	4	5 16	do tug.
Superior		do 31	89	8 50	do do
Siskiwit				6 36	do do
Telegram	40	June 6	322	20 88	do passenger.
Tender	30	August 31	31	6 26	do do
W. B. Hall		April 9	608	29 32	do freight.
Wm. M. Alderson	200	do 22	122	12 84	do passenger.
Waubaushene		May 4	97	8 88	do tug.
Welcome		June 20	21	5 84	do fishing tug.
Wenonah	64	July 22	162	14 44	Paddle and screw, pass.
W. J. Taylor		do 25	9	5 36	Screw, yacht.
Wales		August 31	350	19 00	do tug.
Zephyr		Sept. 16	22	5 88	do yacht.
			2,148	189 05	

W. J. MENEILLEY, *Steamboat Inspector.*

STEAM Vessels Inspected for the Year ended 31st December, 1887.

WESTERN ONTARIO DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Acadia	25	April 20	806	40 25	Screw, passenger.
Alma Munro	25	do 22	891	43 64	do do
Alert		do 27	47	6 88	do tug.
Augusta		do 29	57	7 28	do do
Albion		May 10	297	16 88	do freight.
Admiral D. D. Porter		do 20	241	14 64	do tug.
Alfred Wilson		June 14	33	6 32	do do
Ada Alice	64	May 25	15	5 60	do ferry.
Ariadne		June 17	38	6 52	do tug.
Agnes		July 15	23	5 64	do do
Adrelexa		do 21	15	5 60	do yacht.
A. B. Cook		Close of nav., 1887.	34	6 36	do tug.
Annie Watt		Aug. 3, 1888	62	7 48	do do
Admiral		1888. Aug. 9	9	5 36	do do
Arbutus		do 9	49	6 96	do do
Ada E. Allen		1887. Dec. 12	170	11 80	do freight.
Albert Dyment			30	6 20	do tug.
Arrow					do yacht.
Byron Trerice	265	1888. June 18	268	18 72	do passenger.
Bertha Endress			9	5 36	do tug.
Blandina		Sept. 14	46	6 84	do pleasure yacht
Celtic	60	April 20	698	35 92	do passenger.
C. H. Merritt	200	do 21	122	12 88	do do
Campana	337	do 21	1,288	59 52	Twin screw, passenge
City of Dresden	207	do 22	194	15 76	Screw, passenger.
Canada	60	May 2	644	33 76	do do
Clinton		April 29	430	22 20	do freight.
C. J. G. Munro		June 3	43	6 72	do tug.
City of Mount Clemens		do 16	102	9 08	do freight.
City of Stratford		do 24	6	5 24	do tug.

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Conservative		July 8	7	5 28	Screw, fishing boat.
Clucas		Aug 2	28	6 12	do do
Dominion		May 10	478	24 12	do freight barge.
Dolphin	30	do 16	13	5 52	do ferry.
D. Foster	97	June 27	66	7 66	do do
Dispatch		Aug. 30	33	6 32	do fishing boat.
Erin			512	25 48	do freight.
Enterprise		May 2	915	41 60	do do
Euna			6	5 24	do tug.
E. A. Gibson		May 19	11	5 44	do yacht.
E. Windsor		June 16	86	8 44	do freight.
Energy		do 16	116	9 64	do do
Edward Blake		July 9	13	5 52	do tug.
Eagle			14	5 56	do do
Electric		Aug. 18	4	5 16	do yacht.
Ella Taylor		do 22	34	6 36	do tug.
F. A. Folger		April 21	64	7 56	do do
Forester			3	5 12	do yacht.
Fanny Arnold		Sept. 5	73	7 92	do tug.
Frank Reed			34	6 40	do do
Golden City		June 1	35	6 40	do do
Grace Darling		do 15	26	6 04	do do
George Douglas		do 1	42	5 68	do do
Gordon Gauthier		Aug. 29	26	6 04	do fishing boat.
Gertrude A. Ranney		Sept. 1	14	5 56	do do
Hector		April 27	43	6 72	do tug.
H. Neelon		do 28	65	7 56	do do
Huron	500	May 6	1,052	50 08	Twin screw, car ferry.
Hope	350	do 18	170	14 80	Screw, ferry.
Hiawatha	280	do 20	163	14 48	do do

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Hastings	450	do 23	473	26 92	Paddle, excursion.
Harry Sewell		June 16	25	6 00	Screw, tug.
Henry Smyth		Aug. 29	40	6 60	do do
Ivey Alderson	110	May 27	39	6 52	do passenger.
International	200	do 6	851	42 04	Twin screw, car ferry.
International		April 23	256	15 24	Screw, tug.
Inez		do 28	59	7 36	do do
International		do 23	82	8 28	do do
Imperial	375	May 9	147	13 88	do passenger.
Isaac May		June 7	558	27 32	do freight.
Jane Armstrong		April 27	45	6 76	do tug.
Joe Mac		do 29	44	6 76	do do
J. C. Clark	250	May 4	145	13 80	do passenger.
John Hanlan	172	do 9	37	6 48	do ferry.
Jessie		do 20	118	9 72	do tug.
James Buckley		do 27	10	5 60	do do
J. B. Newman		June 15	33	6 32	do freight.
James Norris		April 28	50	6 88	do tug.
James Leighton			23	5 92	do do
James Clark		July 15	48	6 92	do do
J. W. Stienhoff	40	do 22	312	20 48	do ferry.
Juno		Aug. 2	28	6 12	do fishing boat.
Juno		do 12	210	13 40	do freight.
Kingfisher		July 8	14	5 52	do fishing boat.
Kittie Haight		Aug. 6	60	7 40	do tug.
Lake Michigan	45	April 20	693	35 72	do passenger.
L. Shickluna		do 25	626	30 04	do freight.
Lincoln		do 26	347	18 88	do do
La Belle		June 14	75	8 00	do do
Lillie	159	do 27	50	6 98	do ferry.

STEAM Vessels Insp eted for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts	
Lottie Maud		July 8, 1888	10	5 40	Screw, fishing boat.
Lake Ontario	25	Dec. 15, 1887	675	35 00	do passenger.
Lady Eberth			3	5 12	do fishing boat.
Lewis			15	5 60	do yacht.
		1888.			
Mazeppa	300	April 16	146	13 84	do passenger.
Maggie		do 27	37	6 48	do tug.
M. A. Laughlin		do 27	23	5 92	do do
Mary (of Sarnia)		do 30	62	7 48	do do
Metamora		May 5	239	14 56	do do
Mary (of Port Stanley)		do 30	4	5 16	do fishing boat.
M. A. Bennett		June 2	34	6 56	do tug.
Maid of the Mist	100	do 2	62	7 48	do ferry.
Myra		May 11	73	7 92	do tug.
Mascotte		do 9	49	6 96	do ferry.
Messenger		June 16	15	5 60	do tug.
M. R. Mitchell		do 28	40	6 60	do do
Minnie Kidd			18	5 72	do do
Myrtie		July 15	81	8 28	do freight.
Maid of the Mill		do 27	8	5 32	do yacht.
Maggie Mason	50	Aug. 17	25	6 00	do ferry.
Magdalena		Sept. 1	19	5 76	do tug.
Mocking Bird		do 8	45	6 80	do do
Nellie May		May 31	11	5 44	Screw, fishing boat.
Ocean	150	April 26	684	35 36	do passenger.
Ontario	300	May 5	1,104	61 52	do do
Persia	150	April 26	757	38 28	do do
Phenix			37	6 52	do tug.
Port Elgin Queen		July 14	37	6 48	do do
P. S. Hiesordt		Sept. 5	45	6 80	do do
Queen City	250	May 9	98	8 92	do ferry.
R. S. King		April 28	58	6 88	do tug.

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts	
Rambler		do 29	59	7 36	do do
Ruby	100	May 30	72	7 88	do passenger.
Ripple		June 15	20	5 80	do tug.
R. F. Child		Aug. 10	5	5 20	do yacht.
St. Magnus	60	April 20	853	41 12	do passenger.
Sir S. L. Tilley	10	do 19	1,178	55 12	do do
Sam Perry		do 28	52	6 68	do tug.
Sylvester Neelon		do 27	46	6 84	do do
Steve H. Lyon			19	5 76	do do
Sovereign	30	Aug. 6	684	35 36	do passenger.
Sea Gull			41	6 64	do tug.
Saucy Jim		Sept. 16	93	8 73	do do
Saginaw		do 22	357	22 28	do do
Tecumseh		April 19	840	38 60	do freight.
Thames		Sept. 16	52	7 04	do do
Tommy Wright			12	5 48	do tug.
United Lumbermen		April 22	399	20 96	do freight.
United Empire	418	May 4	1,961	86 44	do passenger.
Uncle John		do 31	7	5 28	do fishing boat.
Uncle Jim			11	5 44	do yacht.
Victoria		July 13	88	8 52	do freight.
Vivid		Aug. 9	56	7 24	do yacht.
W. A. Rooth		April 27	52	7 08	do tug.
W. J. Aiken		do 29	43	6 68	do do
Watertown			267	18 68	Paddle, ferry.
W. S. Ireland		June 16	105	9 20	Screw, freight.
Wm. H. Siebold		Aug. 2	22	5 88	do fishing boat.
W. F. McRae		Close of Nav., 1887.	46	6 84	Screw, tug.
Walter Scott		Aug. 27, 1888	26	6 04	do fishing boat.
			28,291	1,967 02	

OLIVER P. ST. JOHN, *Steamboat Inspector.*

STEAM Vessels not Inspected for the Year ended 31st December, 1887.
WESTERN ONTARIO DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
			$	
Annie Clark	51	34	.....	Trading on Lake Superior, tug.
A. H. Jennie	148	108	.....	Inspection not applied for, freight.
Advance	72	49	.....	Certificate not expired, tug.
Charlton	261	178	.....	Not employed, tug.
Clara	12	8	.....	Inspection not applied for, fishing tug.
Dominion	6	4	.....	Not employed, yacht.
Excelsior	35	24	.....	do passenger.
Essex	142	89	.....	do ferry.
Edith	2	1	.....	Inspection not applied for, yacht.
Ella Alice	7	5	.....	do do do
Ethel May	4	2	.....	do do passenger.
Fanny	5	3	.....	do do fishing tug.
Great Western	1,080	662	.....	Certificate not expired, car ferry.
George Dean	Not regist	ered.....	.....	Inspection not applied for, tug.
Gem	4	3	.....	do do do
George Maytham	40	27	.....	Inspection arranged for do
Interocean	144	98	.....	Not employed, passenger.
Jennie G. Harper	20	18	.....	Inspection not applied for, fishing tug.
Jessie	2	1	.....	do do yacht.
Lansdowne	1,571	908	.....	Certificate not expired, car ferry.
Lewis Shickluna	16	11	.....	Not employed, tug.
Little Gem	2	2	.....	Inspection not applied for, passenger.
Myrtle	9	6	.....	do do tug.
Maggie McLean	37	25	.....	do do do
Mikado	1	1	.....	do do yacht.
Owen	103	68	.....	do do freight.
Rescue	20	17	.....	do do fishing tug.
Sutton Belle	6	4	.....	do do tug.
Scintilla	4	3	.....	Not running, yacht.
Southern Belle	428	265	.....	do passenger.

STEAM VESSELS not Inspected for the Year, &c.—Western Ontario Division—*Con.*

Name of Vessels.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
			$	
Sparrow	25	17	.....	Inspection not applied for, tug.
Susan C. Doty	26	18	.....	Not employed, tug.
S. R. Norcross	22	11	.....	Inspection not applied for, tug.
Transit	1,058	719	.....	Not employed, car ferry.
Transfer	1,542	971	.....	Certificate not expired, car ferry.
Toronto Belle	17	12	.....	Inspection not applied for, tug.
	3,122	2,016	.....	

OLIVER P. ST. JOHN,
Steamboat Inspector.

STEAM Vessels Inspected for the Year ended 15th September, 1887.

WESTERN ONTARIO DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.			$ cts.	
Niagara	.....	April	14...	668·00	23 72	Screw, freight.
Cuba	125	do	15...	931·13	45 24	do passenger and freight.
Armenia	125	do	17...	931·13	45 24	do do
Bruno	.....	do	16...	474·98	24 00	do all the lakes.
California	125	do	18...	901·95	44 09	do Montreal and Chicago.
Mazeppa	300	do	19...	145·59	13 84	do Burlington Bay.
Persia	150	do	20...	756·64	38 28	do St. Catharines and Montreal.
Lincoln	.....	do	20...	346·65	18 88	do all the lakes.
Campana	337	do	22...	1287·87	59 52	Twin-screw, Collingwood and Duluth
Alma Munro	25	do	22...	890·80	43 64	Screw, all the lakes.
United Lumberman	.....	do	22...	398·91	20 96	do do
Acadia	25	do	23...	806·36	40 25	do do
W. B. Hall	.....	do	25...	607·70	29 32	do do
L. Shickluna	.....	do	25...	625·81	30 04	do do
Atlantic	318	do	26...	682·63	35 32	do Collingwood and Sault.
Pacific	311	do	26...	918·08	44 52	do do
Northern Belle	250	do	27...	322·21	28 52	do Collingwood and Georgian Bay.
Meteor	60	do	27...	336·00	21 38	Paddle, passenger and tug.
Alberta	528	do	28...	1779·33	79 16	Screw, Owen Sound and Port Arthur.
Athabasca	507	do	28...	1773·65	28 96	do do
City of Montreal	.....	do	28...	296·78	16 88	do all the lakes.
Africa	.....	do	28...	482 39	24 28	do do
City of Owen Sound	323	do	29...	898·28	51 76	do Collingwood and Duluth.
Francis Smith	298	do	30...	1322·99	60 96	Paddle, Owen Sound and Sault.
Ocean	150	May	3...	683·72	35 36	Screw, St. Catharines and Montreal.
Canada	60	do	2...	644·45	33 75	do all the lakes.
Sir L. Tilley	16	do	2...	1177·77	55 12	do do
Albion	.....	do	3...	297·00	16·88	do do
Enterprise	.....	do	3...	914·92	41·20	do do
St. Magnus	60	do	3..	852·85	41 12	do do

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
United Empire.....	418	do 4...	1960·65	86 44	Screw, Sarnia and Duluth.
Ontario	300	do 5...	1193·91	61 52	do do
J. C. Clark.....	250	do 16...	145·23	13 18	do Sarnia and Dresden.
Lake Michigan.....	25	do 6...	693·07	35 72	do all the lakes.
Clinton.....	.....	do 6...	430·00	22 20	do do
Dominion.....	.....	do 10...	478·13	24 12	do do
John Hanlan.....	172	do 12...	36·96	6 48	do Toronto, ferry.
Geneva.....	257	do 11...	96·74	8 88	do do
Imperial	375	do 11...	146·90	13 88	do Toronto and Long Branch.
Queen City.	250	do 12...	97·77	8 92	do Toronto and Hamilton
Gertrude	163	do 11...	75·54	8 04	do Toronto and Victoria Park.
Mascotte	158	do 13...	48·94	6 96	do Toronto, ferry.
Luella	122	do 12...	37·83	6 52	do do
Chicora	772	do 13...	930·50	45 24	Paddle, Toronto and Niagara.
Georgian.	.....	do 16...	376·54	20 08	Screw, Owen Sound and Sault.
Mocking Bird.....	40	do 16...	28·02	6 52	do do Presqu' Is
Tecumseh	.....	do 18...	839·57	38 60	do all the lakes.
Hope	350	do 18...	169·96	14 80	Ferry, Windsor and Detroit.
		1887.			
Watertown.	50	Sept. 15...	162 86	18 68	Paddle, ferry, Fort Erie.
		1888.			
J L. McEdwards...	70	May 20...	22·13	5 88	Screw, Toronto, ferry.
Sadie.....	377	do 20...	154·18	14 16	Paddle, Toronto, ferry.
Rupert.....	407	do 21...	511·97	28 48	do Toronto and Grimsby.
Hastings	450	do 21...	473·05	26 92	do Lake Ontario.
Chicoutimi	289	do 23...	110·47	12 40	do Toronto and Victoria Park
Queen of the Isles	100	do 24...	40·22	6 60	Screw, Lake Simcoe.
		1887.			
Kincardine	.....	Sept. 15...	181·68	.....	do Georgian Bay.
		1888.			
Canadian.....	313	May 26...	230·59	17 24	Paddle, Toronto and Humber.
Ivy Alderson	110	do 27...	38·67	6 52	Screw, Port Dover and Port Ryerse
James Buckley.....	.....	do 27...	9·56	5 40	Fishing tug, Port Dover.
Arlington.....	100	do 31...	23·37	5 92	Screw, Toronto, ferry.

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Kathleen	170	May 31...	109·82	12 40	Screw, west end of Lake Ontario.
Enterprise	188	June 4...	148·19	13 93	do Lake Simcoe.
Isaac May	.....	do 8...	558·28	.....	Screw, all the lakes.
Maid of the Mist	100	do 9...	61·97	7 48	do ferry, Niagara Falls.
Byron Trerice	265	do 14...	268·04	18 72	do Wallaceburg and Windsor.
C. H. Merritt	200	do 15...	121·58	12 88	do Chatham and Windsor.
Huron	500	do 16...	1052·41	50 28	G. T. R., ferry, Point Edward.
Hiawatha	280	do 16...	162·62	14 48	Ferry, Sarnia and Port Huron.
International	200	do 16...	850·92	42 04	G. T. R., ferry, Point Edward.
City of Dresden	207	do 17...	193·87	15 76	Screw, Windsor and Kingsville.
Ruby	100	do 18...	72·22	7 85	do Port Stanley.
Ada Alice	64	do 22...	15·43	5 60	do Toronto ferry.
Stratford	50	do 24...	.....	.....	Boat towed by tug.
Lillie	159	do 27...	49·53	6 98	Screw, Burlington Bay.
D. Foster	97	do 27...	66·05	7 66	do do
Myles	.....	do 25...	1210·63	53 44	do all the lakes.
Longford	40	do 30...	53·29	.....	do Couchiching and Simcoe.
Orillia	228	do 20...	148·19	13 40	do do
Oriole	40	July 1...	74·79	18 00	do Muskoka Lakes.
Kenozha	40	do 1...	191·33	15 44	do do
Advance	40	do 16...	72·37	7 88	do Detroit River.
J. W. Steinhoff	40	do 11...	311·80	20 48	Ferry, Victoria and Black Rock.
F. B. Maxwell	300	do 15...	497·11	27 88	Paddle, Midland and Parry Sound.
Nipissing	200	Sept. 15...	275·45	19 00	do Muskoka Lakes.
Kate Murray	10	July 16...	3·45	5 12	Screw do
Lady of the Lake	30	do 16...	10·35	5 40	do do
Lake Ontario	25	Close of nav. 1887.	411·45	35 00	do all the lakes.
Niagara (a scow)	50	July 19, 1888	.....	.....	Niagara and Queenston, in towing.
Prowett Byer	50	do ...	10·40	5 48	Screw, Niagara and Queenston.
Ada E. Allen	.....	Close of nav. 1887.	170·10	11 80	do Sarnia and Amherstburg.
Juno	.....	July 21, 1888	209·50	13 40	do all the lakes.

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Winonah	64	July 27	160·60	14 44	Paddle and screw, Cecebe River.
Florence	30	do 28	8·42	5 32	Screw, Mary's Lake.
Northern	30	do 28	98·63	8 96	Paddle do
Mary Louise	20	do 30	63·62	7 56	Screw, Trading Lake.
Muskoka	100	do 29	98·98	8 90	do Muskoka Lakes.
Cecebe	7	do 7	11·35	5 44	do Cecebe River.
Lady Katrine	.....	do 26	16·04	.....	Tug do
Sovereign	30	Aug. 3	684·08	45 36	Screw, all the lakes.
C. W. Chamberlin	.....	do 5	384·93	20 40	do do
Anoganoh	25	do 11	18·73	5 76	do Muskoka Lakes.
Dolphin	30	do 15	12·63	5 52	Screw, Toronto Bay.
Maggie Mason	50	Close of nav. 1887.	24·95	6 00	do Burlington Bay.
Tender	30	Aug. 19, 1888 1888.	30·50	6 20	do Georgian Bay.
Cherakee	30	do 19	179·33	12 10	do do
Telegram	40	do 22	321·59	20 88	do do
Auguista	.....	.....	57·11	7 28	do St. Catharines.
Queen	25	Aug. 26	6·63	5 28	do Lake Simcoe.
W. M. Alderson	200	do 31	121·09	.....	do Georgian Bay.
Lothair	.....	Sept. 15	419·92	21 45	do freight, all the lakes.

THOS. HARBOTTLE,
Hull Inspector.

STEAM Vessels Inspected for the Year ended 31st December, 1887.

EAST ONTARIO DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Passenger Steamers.		1888.		$ cts	
Pierepont	415	April 12	251 98	18 08	Paddle wheel.
Maud	390	do 13	292·81	19 72	do
Resolute	25	do 16	336·27	21 44	Twin screws.
Norseman	450	do 19	782 71	39 32	Paddle wheel.
Armenia	300	do 20	109·99	12 40	Screw.
Quinté	400	do 20	439 90	25 60	Paddle wheel.
Desoronto	85	do 21	67·91	7 72	Screw.
Glengarry	25	do 23	494·83	27 80	Screw, freight and passenger.
Hero	425	do 27	342·12	21 68	Paddle wheel.
Alexandria	580	do 29	863·15	42 52	do
Empress of India	680	do 30	579·05	31 16	do
Reliance	25	May 6	220·36	16 80	Twin screws.
Olive	10	do 4	213·44	16 52	Screw, freight and passenger.
Ida	50	do 3	247·26	17 88	do do
Rideau Belle	50	do 5	130·59	13 24	do do
Princess Louise	190	do 9	114·88	12 60	Screw.
Reindeer	140	do 11	58·29	7 32	do
Varuna	188	do 11	134·04	13 36	do
Ella Ross	100	do 12	324·88	21 00	Paddle wheel.
Mary Ethel	53	Dec 30, 1887	98·61	8 96	Centre wheel, ferry.
Nellie Cuthbert	90	1888. May 13	59·03	7 36	Screw.
Annie Gilbert	30	do 14	19·00	5 80	do
Belle Amelia	39	June 4	3·80	5 16	do
Rothesay	600	do 11	839·24	41 56	Paddle wheel.
Cathrine	30	do 16	14·76	5 60	Screw.
Ivy	35	do 16	7·43	5 28	do
Myrtle	30	do 17	9·40	5 36	do
Chaffy		None issued.	42·44	6 72	do
City of Belleville	250	June 20	101·17	12 04	do

STEAM Vessels Inspected for the Year, &c.—East Ontario Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Passenger Steamers—Concluded.		1888.		$ cts.	
Florence	35	June 20	5·99	5 24	Screw.
Transit	450	do 22	140·81	13 60	Twin screws.
St. Julian	30	do 24	9·86	5 40	do
Island Queen	263	do 30	98·09	8 92	do
Fearless	80	do 29	46·38	6 84	do
Pioneer	34	July 11	28·07	6 12	do
Beaver	75	do 13	18·00	5 72	do
Golden Eye	170	do 14	287·60	19 52	Paddle wheel.
Fairy	40	do 15	23 06	5 92	Screw.
Cruiser	61	do 15	31·00	6 24	do
Dominion	100	do 18	45 88	6 96	Paddle wheel.
Mary Louise	40	do 19	10·00	5 40	Screw.
Eva	90	do 18	33 60	6 34	do
Beaubocage	150	do 25	129·00	13 16	Paddle wheel.
Esturion	272	do 25	118·36	12 72	do
Maple Leaf	35	do 26	26·08	6 04	Screw.
Ometa	20	May 13	21·59	5 88	do
Grenada	130	Aug. 9	57·00	7 28	do
Princess Louise	76	do 9	45·32	6 80	do
Alert	40	do 10	49·83	7 00	do
Alaska	100	do 11	48·74	6 92	do
Lily Nicholson	40	Sept. 1	18·22	5 72	do
Prince Edward	50	do 15	18·22	5 72	Centre wheel, ferry.

STEAM Vessels Inspected for the Year, &c.—East Ontario Division—*Continued.*

Name of Vessel.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Freight Steamers.	1888.		$ cts.	
D. D. Calvin	April 13	749·53	35 00	Screw.
Scotia	do 14	628·51	30 16	do
Nile	do 22	96·30	8 84	do
D. R. Van Allen	May 16	317·95	17 72	do
Belle Wilson	do 17	185·80	12 40	do
Freemason	do 14	104·82	9 20	do
Robert Anglin	do 11	97·18	8 88	do
Saxon	June 6	180·90	12 24	do
Khartoum	do 14	62·71	7 52	do
Myles	Sept. 5	1,210·63	53 44	do
Yacht Steamers.				
Water Lily	May 20	4 00	5 16	do
Oriole	June 14	2·66	5 12	do
Dream	do 15	12·16	5 48	do
Clipper	do 15	3·75	5 16	do
Zephyr	do 15	19·27	5 76	do
Eva	do 16	2·25	5 08	do
Spray	do 17	4·19	5 16	do
Vesper	do 17	2 49	5 12	do
Pomona	do 18	4·88	5 20	do
Ruby	do 27	1·63	5 08	do
Carlton	July 7	8 00	5 32	do
Echo	Aug. 12	6·06	5 24	do
Tropic	do 26	8·86	5 36	do
Victor	Sept. 15	1·94	5 08	do
Tug Steamers.				
Rescue	April 21	52·29	7 08	do
Glide	do 23	77·90	8 12	do
D. G. Thomson	do 25	185·05	12 40	do

STEAM Vessels Inspected for the Year, &c.—East Ontario Division—*Continued.*

Name of Vessel.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Tug Steamers—Continued.	1888.		$ cts.	
Jessie Hall	April 25	56·54	7 28	Screw.
Active	do 25	345·88	18 84	do
Cheiftain	do 26	434·68	22 40	Paddle wheel.
John A. Macdonald	do 26	273·00	15 92	do
Traveller	do 26	207·52	13 32	do
McArthur	do 27	190·46	12 60	Screw.
Thistle	do 28	36·02	6 44	do
Hiram A. Calvin	May 10	300·00	17 00	Paddle wheel.
Wm. Johnston	do 10	73·70	8 24	Screw.
Eliza Bonar	do 14	25·68	6 04	do
D. P. Dey	do 18	11·26	5 44	do
Lizzie	do 18	24·00	5 96	do
John Hunter	do 18	32·14	6 28	do
Toneata	do 23	14·02	5 56	do
Frank Perew	do 28	43·02	6 72	do
Edmond	do 25	39·10	6 56	do
Sarah Daly	do 31	24 61	6 00	do
Col. By	do 28	9·31	5 36	do
H. F. Bronson	June 2	137·12	10 48	do
Lily	do 2	16·01	5 64	do
Eleanor	do 10	24·97	6 00	do
Gilbert	do 21	40·83	6 64	do
Anna	do 22	7·89	5 32	do
Peerless	May 28	25·61	6 04	do
Albert Wright	do 1	29·00	6 16	do
Sunbeam	July 13	13·43	5 52	do
Undine	do 16	4·90	5 20	do
Mary Ellen	do 18	81·20	8 24	Paddle wheel.
Waterwitch	do 21	9 20	5 36	Screw.
Stranger	do 23	28 00	6 12	do

STEAM Vessels Inspected for the Year, &c.—East Ontario Division—*Concluded.*

Name of Vessel.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Tug Steamers—Concluded.	1888.		$ cts.	
Bella Fair	July 27	6·60	5 28	Screw.
Nora	do 29	28·13	6 12	do
Ontario	Aug. 11	56·88	7 28	do
Dora	July 13	20·28	5 80	do
May Flower	Aug. 24	4·20	5 16	do
Enterprise	do 24	60·38	7 40	Paddle wheel.
Ripple	do 25	16·05	5 64	Screw.
Maggie R. King	Sept. 12	27·13	6 08	do
Total		15,320·50	1,267 22	

STEAM Vessels not Inspected for the Year ended 31st December, 1887.

EAST ONTARIO DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks. Why not Inspected and Class of Vessel
Utica	52·00	39·00		Not employed—Screw, passenger.
Anglo-Saxon	69·01	43·41		do Paddle, tug.
Seaborn	9 00	8·00		do Screw, yacht.
M. P. Davis	11·26	7·66		do do tug.
Pilgrim	18·64	15 42		do do passsenger.
Conqueror	198·73	15·25		do Paddle, tug.
Emma Munson	32·63	13·08		do Screw do
Ontario	80·11	50·47		do Paddle do
Whistle Wing	87·90	70·80		do do do
Marquis of Lorne	20·19	10·59		do Screw, yacht.
Pearl	7·70	5·30		do do passenger.
	587·17	278·98		

Total Number of Vessels, 128.

Total Gross Tonnage of all the Vessels—tons, 15,907·67.

Total Number of Vessels Inspected, 117.

Total Gross Tonnage of the Vessels Inspected, 15,320·50.

Total Amount of Dues and Fees Collected on account of Inspection. $1,267 22

Total Amount of Engineers' Fees Collected, to 30th August 54 00

Total Fees Collected..... $1,321 22

EDWARD ADAMS,
Engine Inspector.

STEAM Vessels Inspected for the Year ended 31st December, 1887.

EASTERN DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Norseman	450	Close navigation	782·71	39 32	Paddle.
Resolute	25	do ...	336·27	21 44	Screw, freight & pass'r
Scotia	.....	do ...	628·51	30 16	do do
D. D. Calvin	.....	do ...	749·53	35 00	do do
Quinté	500	do ...	439·09	25 60	Paddle.
Armenia	300	do ...	109·99	12 40	Screw.
Deseronto	85	do ...	67·91	7 72	do
Glengarry	25	do ...	494·83	27 86	do
Maud	390	do ...	292·81	19 72	Paddle.
Hero	425	do ...	249·07	21 68	do
Alexandria	580	do ...	863·15	42 52	do
Empress of India	680	do ...	579·05	31 16	do
Celtic	60	do ...	698·04	35 92	Screw, freight & pass'r.
Ida	50	do ...	247·26	17 88	do do
Olive	8	do ...	213·44	16 52	do do
Rideau Bell	50	do ...	130·59	13 24	do do
Reliance	25	do ...	220·36	16 80	do do
Princess Louise	190	May 9	114·88	12 60	do do
Pierrepont	415	do 10	251·98	18 08	Paddle, ferry.
Reindeer	140	do 18	58·29	7 32	Screw.
Veruna	188	do 18	134·04	13 36	do
Ella Ross	100	do 31	324·88	21 00	Paddle.
Mary Ethel	50	October 30	98·61	8 96	do ferry.
Nellie Cuthbert	90	Close navigation	59·03	7 36	Screw.
D. R. Vanallen	.....	do ...	317·95	12 72	do freight.
Annie Gilbert	30	May 14	19·00	5 80	do passenger.
Bella Wilson	.....	do 16	185·08	12 40	do freight.
Saxon	.....	Close navigation	180·90	12 24	do do
Dolphin	20	do ...	12·63	5 62	do passengers.

STEAM Vessels Inspected for the Year, &c.—Eastern Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Rothesay	600	June 21	839·24	41 56	Paddle.
Myrtle	30	do 21	9·40	5 36	Screw.
Catharine	30	Close navigation	14·76	5 60	do passenger.
Transit	450	October 30	140·81	13 60	do ferry.
City of Belleville	250	Close navigation	101·17	12 04	do do
Florence	35	do ...	5·99	5 24	do passenger.
St. Julian	30	June 18	9·86	5 40	do do
Bell, Amelia	35	do 23	3·88	5 16	do do
Khartoum	70	do 28	62·71	7 52	do do
Fearless	80	do 28	46·38	6 84	do do
Island Queen	260	do 30	98·09	8 92	do do
Pioneer	40	July 1	28·07	6 12	do do
Ivy	35	do 9	7·43	5 28	do do
Princess Louise	76	do 9	45·32	6 80	do do
Beaver	75	do 15	18·00	5 72	do do
Ark	192	do 15	48·70	1 96	Passenger, barge.
Golden Eye	170	Close navigation	287·60	19 52	Paddle, passenger.
Otonabee	250	July 14	49·00	1 96	Passenger, barge.
Cruiser	70	do 15	31·00	6 24	Screw, passenger.
Fairy	40	do 15	45·88	5 92	do do
Eva	90	do 18	33·60	6 36	do do
Dominion	100	do 18	45·88	6 96	do do
Paragon	400	do 19	71·25	2 84	Passenger, barge.
Marie Louise	40	do 20	10·00	5 40	Screw, passenger.
Esturion	272	do 21	118·36	12 72	Paddle do
Beaubocage	150	Close navigation	129·00	13 16	do do
Paloma	600	July 25	122·00	9 76	Passenger, barge.
Maple Leaf	35	do 26	26·08	6 04	Screw, passenger.
Ometa	20	do 27	21·59	5 88	do do
Enterprise	375	August 9	7·62	0 32	Passenger, barge.

STEAM Vessels Inspected for the Year, &c.—Eastern Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Grenada	130	August 15.....	57·08	7 28	Screw, passenger.
Alaska	100	do 16.....	48·74	6 92	do do
Echo	30	do 17.....	6·06	5 24	do do
Prince Edward	50	do 23.....	18·22	5 72	Paddle, ferry.
Alert.	40	do 30	49·83	7 00	Screw, passenger.
Lily Nicholson.....	30	Sept'r 1.....	11·62	5 52	do do
Total.....	.....	.....	.....	.....	

JAMES DICK,
Steamboat Inspector.

STEAM Vessels Inspected for the Year ended 31st December, 1887.

MONTREAL DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.		$ cts.	$	
Transfer	400	Feb. 15	619	24 76	8	Side-wheel, passenger.
John R. Booth		May 4	132	5 28	5	Screw, tug.
Ivy		do 4	76	3 04	5	Side-wheel do
Agnes McMahon		do 4	82	3 28	5	Screw do
Elgin		do 4	108	4 32	5	do do
Booth		do 5	234	9 36	5	Side-wheel do
Nosbonsing		do 5	25	1 00	5	Screw do
Dauntless		do 6	342	13 68	5	Side-wheel do
Hiram Robinson		do 6	61	2 44	5	Screw do
H. F. Bronson		do 6	72	2 88	5	do do
Ottawa	150	do 6	116	4 64	8	Side-wheel, passenger
Maggie		do 6	57	2 28	5	Centre-wheel, tug.
Rambler	20	do 6	8	0 32	5	Screw, passenger.
Walter B	80	do 6	28	1 12	5	do do
Pembroke		do 7	162	6 48	5	Side-wheel, tug.
Levi Young		do 7	75	3 00	5	Screw do
H. F. Baldwin		do 7	177	7 08	5	do do
Empress	800	do 8	677	27 08	8	Side-wheel, passenger
Express	100	do 9	100	4 00	8	do do
Ada		do 9	28	1 12	5	Screw, tug.
G. H. Notter		do 9	13	0 52	5	do do
Dandy		do 9	46	1 84	5	do do
Allan Gilmour		do 9	61	2 44	5	do do
John, Heney		do 9	19	0 76	5	do do
Sir John		do 9	61	2 44	5	do do
Raftsman		do 10	94	3 76	5	Side-wheel do
Prince of Wales	501	do 12	610	24 40	8	do passenger.
Alfred Demers		do 12	47	1 88	5	Screw, tug.
Nellie Reid		do 12	55	2 20	5	do do
Mattanan		do 16	347	13 88	5	do freight.

STEAM Vessels Inspected for the Year, &c.—Montreal Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.		$ cts.	$	
Houghton		May 16...	49	1 96	5	Screw, tug.
Cultivateur	100	do 16...	152	6 08	8	Centre-wheel, passenger.
Grain Elevator No. 9		do 17...	172	6 88	5	Screw.
do 14		do 17...	181	7 24	5	do
do 13		do 17...	178	7 12	5	do
do 10		do 18...	173	6 92	5	do
do 1		do 18...	83	3 32	5	do
do 4		do 18...	188	7 52	5	do
do 12		do 18...	183	7 32	5	do
do 11		do 18...	169	6 76	5	do
do 6		do 18...	170	6 80	5	do
do 9		do 18...	170	6 80	5	do
Maude	350	do 20...	269	10 76	8	Side-wheel, passenger.
Princess	453	do 20...	579	23 16	8	do do
Dagmar	400	do 20...	405	16 20	8	do do
Laprairie	977	do 25...	523	20 92	8	do do
1,000 Island Rambler	75	do 25...	20	0 80	5	Screw do
Filgate	500	do 27...	263	10 52	8	Side-wheel do
Florence		do 30...	62	2 48	5	Screw, tug.
Dolphin		do 31...	69	2 76	5	do do
S. S. Coban	50	June 1...	1,063	42 52	8	do freight passenger.
Water Lily		do 2...	95	3 80	5	do freight.
Gatineau		do 7...	133	5 32	5	do do
Crusier (yacht)		do 8...	55	2 20	5	do private yacht.
Minnie Bell		do 8...	20	0 80	5	do tug.
Vesta (yacht)		do 8...	14	0 56	5	do private yacht.
Resolute		do 9...	30	1 20	5	do tug.
Windermere (yacht)		do 9...	35	1 40	5	do private yacht.
Rose		do 14...	121	4 84	5	do freieht.
Longueuil	800	do 15...	365	14 60	8	Side-wheel, passenger.

STEAM Vessels Inspected for the Year, &c.—Montreal Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.		$ cts.	$	
South Eastern	700	June 15	395	15 80	8	Screw, passenger.
Owens		do 15	156	6 24	5	Side-wheel, tug.
Geo. A. Harris		do 16	87	3 48	5	Screw, tug.
Pearl (yacht)	25	do 16	5	0 20	5	do yacht, passenger
Bertie (yacht)	25	do 16	2	0 08	5	do do
Adirondack (yacht)	12	do 18	12	0 48	5	do do
Antelope		do 10	82	3 28	5	do tug.
Hiram Easton		do 11	34	1 36	5	do do
E. B. Eddy		do 22	78	3 12	5	do do
Jennie (yacht)		do 24				do
Georgiana		do 25	53	2 12	5	do tug.
Welshman		do 30	143	5 72	5	do freight.
SS. Cacouna		July 2	1,451	58 04	8	do do
W. C. Francis		do 4	37	1 48	5	do tug.
H. Bonnefant	25	do 16	22	0 88	5	Centre-wheel, passenge
G. B. Pattie		do 19	272	10 88	5	Side-wheel, tug.
Janet Craig	50	do 19	12	0 48	5	Screw, passenger.
G. B. Pattie		do 20	30	1 20	5	do tug.
Monitor		do 20	333	13 22	5	Side-wheel, tug.
Chaudiere		do 20	282	11 28	5	do do
E. Davis		do 20				
Castor		do 20	54	2 16	5	Screw, tug.
Geo. H. Millen		do 21	11	0 44	5	do do
High Rock		do 22	7	0 28	5	do do
Agnes	50	do 22	29	1 16	5	do passenger.
Eva	25	do 22	6	0 24	5	do do
Rockland		do 22	78	3 12	5	do tug.
Mouche a Feu	50	do 22	20	0 80	5	Centre-wheel, passenge
Bonito	30	do 23	17	0 68	5	Screw, passenger.
Glide	100	do 23	80	3 20	5	do do

STEAM Vessels Inspected for the Year, &c.—Montreal Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.		$ cts.	$	
John	50	July 23...	35	1 40	5	Centre-wheel, passenger.
Vermont	.....	do 25...	206	8 24	5	Side-wheel, tug.
Lady of Lake	700	do 26...	607	24 28	8	do passenger.
Newport	.....	do 27...	12	0 48	5	Screw, tug.
Mountain Maid	250	do 27...	118	4 72	8	Side-wheel, passenger.
Albion (yacht)	22	do 28...	7	0 28	5	Screw, passenger.
Alexandria (yacht)	.....	do 28...	53	2 12	5	do private yacht.
Maraque	.....	Aug. 3...	136	5 44	5	Side-wheel, tug.
Calumette	.....	do 5...	40	1 60	5	Screw, tug.
T. H. Nasmith	.....	do 11...	49	1 96	5	do do
Rigeaud	.....	do 11...	46	1 84	5	do do
Garnet	242	do 12...	98	3 92	5	Side-wheel, passenger.
Humber	.....	do 13...	13	0 52	5	Screw, tug.
Tim Doyle	.....	do 15...	20	0 80	5	do do
Gertie	.....	do 16...	17	0 68	5	do do
Bella (yacht)	.....	do 18...	3	0 12	5	do private yacht.
H. Hebert	.....	do 18...	.....	.....	.....	
Swan	.....	do 22...	.....	.....	.....	do tug.
Minerve	.....	do 24...	.....	.....	.....	do passenger.
Argo	.....	do 24...	154	6 16	8	Side-wheel do
Mattawan	.....	do 26...	.....	.....	.....	Screw do
Lottie	.....	do 26...	.....	.....	.....	do do
Marien	.....	do 26...	.....	.....	.....	do do
Charlotte	.....	do 26...	.....	.....	.....	do do
Shickluna	.....	do 30...	66	2 64	5	do tug.
Belmont	329	Sept. 1...	133	5 32	8	Side-wheel, passenger.
Doctor	.....	do 6...	3	0 12	5	Screw, tug.
Arctic	.....	do 6...	65	2 60	5	do do
Fanny (yacht)	.....	do 6...	1	0 04	5	do private yacht.
Total	.....	.....	16,191	647 64	607	

Steam Vessels not Inspected for the Year ended 31st December, 1887.

MONTREAL DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks, why not Inspected and Class of Vessel
Carillon	128			Not employed; side-wheel, tug.
Zebra	30			do screw, tug.
Eadie May	9			Not applied for do passenger.
St. Anne	25			do do tug.
Aries	6			do do do
Manxman	74			Taken to Quebec District.
Star	366			Not employed; sunk at Lachine.
Sportsman	34			Not employed.
Aid	25			Will be inspected yet.
Caribou	115			do do
C. Anderson	105			do do
Percy	7			do do
I. K. Ward	23			Not applied for yet.
Lulu	2			do do
Linda	6			do do
Isle au Noix,	14			Taken to Lake Megantic.
Spray	42			Reported sunk in Nation River.
Plover	43			Not applied for yet.
G (yacht)	3			Not ready as agreed on.
New York	123			Not employed.
Montarville	268			do
S. S. Bonavista	1,306			Will be inspected yet.
Chipmonk (yacht)	12			Not applied for.
Gilbert	41			Working in Kingston District.
Robert Stoker	13			Not applied for.
Charlotte	59			Aground all summer.
Kate	23			Not employed.
Grain Elevator No. 2	172			do
do No. 5	80			do
Total	3,154			

JOHN BURGESS, *Steamboat Inspector.*

STEAM Vessels Inspected for the Year ended 31st December, 1887.

QUEBEC DIVISION.

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Miramichi	300	Nov. 25	727	37 08	Side-wheel, pass., Montreal and Pictou.
Otter	150	do 25	219	16 76	Screw do Gulf St. Lawrence.
Etoile	591	do 25	560	30 40	Side-wheel do Quebec and Montreal.
Greetland	40	do 25	1,091	51 64	Screw do Montreal and St. John. Nfld.
Contest	150	do 25	231	17 24	Side-wheel, pass., mail tender, Rimouski
Brothers	526	do 25	262	18 48	do do Quebec and St. Anne.
		1888.			
Pilot	350	May 1	426	25 04	Screw, winter ferry, Quebec and Lévis.
Polaris	250	do 1	533	29 32	do do
Queen	350	do 1	367	22 68	do do
		1887.			
South	450	Nov. 25	349	21 96	Side-wheel, ferry do
North	450	do 25	289	19 56	do do
Olivia Gordon	.....	do 25	36	6 44	Screw, Quebec Harbor tug.
Montmagni	450	do 25	351	22 04	Side-wheel, pass., Quebec and Berthier.
Sensation.	.....	do 25	15	5 60	Screw, Quebec Harbor tug.
Challenger	.....	do 25	73	7 92	do do and Gulf.
Orleans	475	do 25	181	15 24	do ferry, Quebec and Isle Orleans.
Lévis	350	do 25	156	14 24	do do do Romuald.
Vega	250	do 25	132	13 28	do do do do
Champion	.....	do 25	185	12 40	do tug, Gulf & River St. Lawrence.
St. Lawrence	700	do 25	869	42 76	Side-wheel, pass., Quebec & Chicoutimi.
Union	771	do 25	687	35 48	do do do
Magnet	500	do 25	1,029	49 16	do do do
Canada.	.....	do 25	234	14 36	do tug, Montreal and Quebec.
Bienvenu	600	do 25	648	33 92	do pass, Quebec and St. Ann.
St. Croix	541	do 25	445	25 80	do do do St. Croix.
Pilgrim.	455	do 25	262	18 48	do do do St. Nicolas.
St. Louis	529	do 25	428	25 12	do do do St. Jean.
Ida	35	do 25	6	5 24	Screw do Lake St. Joseph.
Flora	.....	do 25	50	7 00	do Quebec Harbor tug.
Rhoda	.....	do 25	182	12 28	Side-wheel, tug, River St. Lawrence.

STEAM Vessels Inspected for the Year, &c.—Quebec Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Lake	.....	Nov. 25	145	10 80	Screw, tug, Gulf St. Lawrence.
Aurelia	.....	do 25	32	6 28	Screw, tug, Quebec Harbor.
Asilda	.....	do 25	24	5 96	do do do
Acadian	Freight	1888. July 22	931	42 24	do freight, Montreal and Gulf.
Fairy	.....	1887. Nov. 25	16	5 64	do tug, Quebec Harbor.
C. Hollowell	.....	do 25	9	5 36	do do do
Thor	.....	do 25	322	17 88	Side-wheel, tug, Saguenay River.
Belle	.....	do 25	51	7 04	Screw do do
Coukoo	.....	do 25	6	5 24	do do do
Batiscan	.....	do 25	40	6 60	Side-wheel do Quebec and Batiscan.
Kinogomi	.....	do 25	21	5 84	Screw do Saguenay River.
Rival	.....	do 25	125	10 00	Side-wheel do Quebec and Montreal.
St. Roch	.....	do 25	18	5 72	Screw do Quebec Harbor.
Anglesea	.....	do 25	153	11 12	Side-wheel do Montreal and Quebec.
Beaver	.....	do 25	273	15 92	do do do
William	.....	do 25	276	16 04	do do do
Randolph	.....	do 25	16	5 64	Screw do Quebec Harbor.
Jenette	.....	do 25	.....	5 00	do pleasure yacht.
Chicoutimi	.....	do 25	.....	5 00	do tug, Chicoutimi Harbor.
Polino	30	do 25	807	40 28	Screw, passenger and freight, Montreal and St. John, Nfld.
Sorel Boy	.....	do 25	5	5 20	Screw, tug, Harbor.
Hope	.....	do 25	305	17 20	Side-wheel, tug, Montreal and Sorel.
John Young	.....	do 25	163	11 52	do do do
Silver Spray	.....	do 25	130	10 20	Screw do Harbor.
W. F. Loggie	.....	do 25	17	5 68	do do do
Sorel	300	do 25	158	14 32	Side-wheel, pass., Sorel and Berthier.
Rivière du Loup	300	do 25	173	14 92	do do do
Quebec	800	do 25	3,056	130 24	do do Quebec and Montreal.
Rocket	.....	do 25	590	31 60	do tug, Montreal and Quebec.
Terrebonne	450	do 25	601	32 04	do Montreal and Contrecœur.

STEAM Vessels Inspected for the Year, &c.—Quebec Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Prince Arthur....	350	Nov. 25.....	635	33 40	Side-wheel, Sorel and Berthier.
Montreal	800	do 25.....	2,211	96 44	do pass., Quebec & Montreal.
Trois-Rivières....	1,000	do 25.....	1,710	76 40	do do Montreal and Three Rivers.
Chambly	600	do 25.....	647	33 88	do do Montreal and Chambly.
Bohemian	500	do 25.....	1,138	53 52	do do Montreal and Valleyfield.
Hochelaga.....	775	do 25	419	24 76	do do Montreal and Longueuil.
Berthier	900	do 25	1,101	52 04	do do Montreal and St. Helen Island.
Spartan	400	do 25.....	1,168	54 72	do do Montreal & Toronto.
Corsican	400	do 25.....	1,203	56 12	do do do do
Algerian	400	do 25... ..	914	44 56	do do do do
Canada	1,200	do 25.....	2,009	88 36	do do do Ste. Anne
Corinthian	400	do 25.....	1,062	50 48	do do do Toronto.
Mouche à Feu....	300	do 25	214	16 56	do do do Terrebonne
Lizzie	....	do 25.....	.....	5 00	Screw, pleasure yacht.
Albani	.....	do 25	58	7 32	do do
Ed. Arpin.....	25	do 25	5	5 20	do excursion, Sorel.
Vesta	.....	do 25.....	4	5 16	do tug, Three Rivers Harbor.
Arthur	.....	do 25	33	6 32	Side-wheel, tug do do
Como	100	do 25.....	75	8 00	do passenger, Three Rivers & Nicolet.
Glacial	145	do 25.....	109	12 36	Screw, ferry, Three Rivers and St. Angèle.
Bourgeois	200	do 25.....	170	14 80	Side-wheel, ferry, Three Rivers and St. Angèle.
Canadian	60	do 25.....	26	6 04	Screw, excursion, Sorel.
Mersey	.....	do 25.....	60	7 40	do Quebec Harbor, tug.
Margaret	.....	do 25	64	7 56	do do do
Isabel	....	do 25.....	51	7 04	do do do
Hope	....	do 25.....	15	5 60	do do do
Latuque	.....	do 25.....	50	7 00	Side-wheel, tug.
Laval	... .	do 25.....	90	8 60	do do
St. George	.....	do 25.....	13	5 52	Screw, Quebec Harbor, tug.
Stormy Petrel ...	.....	do 25.....	11	5 44	do do do
Hubert Larkin...	.....	do 25.....	49	6 96	do do do

STEAM Vessels Inspected for the Year, &c.—Quebec Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
St. Peter	Crew only.	End of Season.	44	6 76	Screw, attending dredges.
Delisle	do ...	do ...	45	6 80	do do
St. Francis	do ...	do ...	55	7 20	do do
M. F. Pearson ...	do ...	do ...	45	6 80	do do
John Pratt	do ...	do ...	70	7 80	do do
St. James	do ...	do ...	91	8 64	do do
St. Paul.....	do ...	do ...	45	6 80	do do
St. Louis	do ...	do ...	34	6 36	do do
J. C. Bridges	do ...	do ...	39	6 56	do do
McNaughton	do ...	do ...	137	10 48	do do
Rudolph	do ...	do ...	116	9 64	Side-wheel, river tug.
C. W. Jones	do ...	do ...	37	6 48	Screw, harbor tug.
Florence	do ...	do ...	113	9 52	do do
Victor	do ...	do ...	35	6 40	do do
Dauntless	do ...	do ...	81	8 24	do do
Ida	do ...	do ...	15	5 60	do do
Diver	do ...	do ...	86	8 44	do wrecking schooner.
Forest	do ...	do ...	26	6 04	do pleasure yacht.
Florence (sch'r).	do ...	do ...	133	10 32	do wrecking schooner.
Castor	do ...	do ...	93	8 72	Side-wheel, river tug.
Pioneer	do ...	do ...	176	12 04	do tug, Lake St. John.
Honkey Dorey...	do ...	do ...	5	5 20	Screw, tug, Quebec Harbor.
J. R. Souter.....	do ...	do ...	11	5 44	do do
May Flower	do ...	do ...	13	5 52	do do
Activity	do ...	do ...	15	5 60	do do
Patrick Murphy..	do ...	do ...	10	5 40	do do
Two Brothers	do ...	do ...	23	5 92	do do
Anna Marie	do ...	do ...	Not registered.	.....	Screw, pleasure yacht.
Lena	do ...	do ...	do	.....	do do
Johanna B.....	do ...	do ...	17	5 68	do tug, Quebec Harbor.
Total.....	.....	.....	36,410	2,180 40	

JOS. SAMSON, *Boiler and Machinery Inspector.*

STEAM Vessels not Inspected for the Year ended 31st December, 1887.

QUEBEC DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks. — Why not Inspected and Class of Vessel.
Conqueror No. 2	233	25	Not paid,..	Not employed, side-wheel, tug, Gulf.
Nimi	68	46	do ...	do screw, pleasure yacht.
Bee.....	61	32	do ...	do side-wheel, tug, river.
Eujenie.....	258	150	do ...	do do ferry, Island of Orleans.
Eclipse.....	366	219	do ...	do do tug, Montreal and Quebec.
Gatineau	175	79	do ...	do do do
Helen	135	85	do ...	do do do
Shannon.....	64	129	do ...	do screw, Montreal and Quebec.
Hercules.....	199	125	do ...	do side-wheel do
Hero.....	209	131	do ...	do do do
Powerful	199	126	do ...	do do do
Maid of Orleans	120	76	do ...	do do do
Swallow.....	3	2	do ...	do screw, Quebec Harbour, tug.
Albion	171	107	do ...	do side-wheel, tug, Montreal and Quebec.
Batsiamist	50	31	do ...	do do do
Boston	321	137	do ...	do do do
Cultivateur.....	687	433	do ...	do do passenger, Montreal and Sorel.
Passport.....	1,034	593	do ...	do do do Montreal and Toronto.
James.....	127	31	do ...	do do tug, Montreal and Quebec.
Lady Dufferin	5	3	do ...	do screw, harbour tug.
Resolute.....	139	40	do ...	do do
Maggie Belle.....	372	226	do ...	do side-wheel, tug, Montreal and Quebec.
Relief	381	193	do ...	do screw, wrecker, Gulf.
	5,597	2,819		

JOS. SAMSON,
Boiler and Machinery Inspector.

STEAM Vessels Inspected for the Year ended 31st December, 1887.

QUEBEC AND MONTREAL DIVISIONS.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.			
Quebec	800	Nov. 25	3,056	130 24	Side-wheel, passenger, Quebec and Montreal.
Montreal	800	do 25	2,211	96 44	do do
Chambly	600	do 25	647	33 88	Side-wheel, passenger, Montreal and Chambly.
Terrebonne	450	do 25	601	32 04	Side-wheel, passenger, Montreal and Contrecœur.
Union	771	do 25	687	35 48	Side-wheel, passenger, Quebec and Chicoutimi.
St. Lawrence	700	do 25	869	42 76	do do
Contest	150	do 25	231	17 24	Side-wheel, passenger, mail tender, Rimouski.
S. S. Otter	150	do 25	219	16 76	Screw, passenger, Quebec and Gulf ports.
		1888.			
S. S. Greetland	40	May 6	1,091	51 64	Screw, passenger, Montreal and St. John, Nfld.
S. S. Polino	30	do 7	807	40 28	do do
S. S. Miramichi	300	do 7	727	37 08	Side-wheel passenger, Montreal and Pictou.
Brothers	526	do 7	262	18 48	Side-wheel passenger, Quebec and St. Anne.
North	450	do 7	289	19 56	Side-wheel, passenger, Quebec and Lévis, ferry.
South	450	do 7	349	21 96	do do
Orleans	475	do 7	181	15 24	Screw, ferry, Quebec and Island of Orleans.
Montmagny	450	do 7	351	22 04	Side-wheel, passenger, Quebec and Berthier.
St. Louis	529	do 7	428	25 12	Side-wheel, passenger, Quebec and St. Jean d'Échaillon.
Etoile	591	do 7	460	30 40	do do
Pilgrim	455	do 7	262	18 48	Side-wheel, passenger, Quebec and St. Michel.
Algerian	400	do 7	914	44 56	Side-wheel, passenger, Montreal and Toronto.
Corsican	400	do 7	1,203	56 12	do do
Spartan	400	do 7	1,168	54 72	do do
Corinthian	400	do 7	1,062	50 48	do do
Prince Arthur	350	do 7	635	33 40	Side-wheel, passenger, Montreal and Quebec.
Sorel	300	do 7	158	14 32	Side-wheel, passenger, Sorel and Berthier.
Ed. Arpin	25	do 7	5	5 20	Screw do do
Trois Rivieres	1,000	do 7	1,710	76 40	Side-wheel, passenger, Montreal and Three Rivers.
Prince of Wales	501	do 7	610	32 40	Side-wheel, passenger, Montreal and Carillon.
Bohemian	500	do 7	1,138	53 52	Side-wheel, passenger, Montreal and Cornwall.

STEAM Vessels Inspected for the Year, &c.—Quebec and Montreal Division—*Con.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Princess	443	do 7	579	31 16	Side-wheel, passenger, Montreal and Carillon.
Dagmar	400	do 7	405	24 20	do do
Maud	350	do 7	269	18 76	do do
Laprairie	977	Nov 25	523	28 92	Side-wheel, ferry, Montreal and Laprairie.
S. S. Cacouna	Freight.	June 1, 1888	1,451	66 04	Screw, freight, Montreal and Pictou.
S. S. Coban	50	do 1, 1888	1,063	50 52	Screw, pass., Montreal and Gulf Ports.
Berthier	900	Nov. 25	1,101	52 04	Side-wheel, ferry, Montreal and St. Helen Island.
Longueuil	800	do 25	365	22 60	Side wheel, ferry, Montreal and Longueuil.
Filgate	500	do 25	263	18 52	Side-wheel, passenger, Montreal and Beauharnois.
Hochelaga	775	do 25	419	24 76	Side-wheel, ferry, Montreal and Longueuil.
Vega	250	do 25	132	13 28	Screw, ferry, Quebec and Romauld.
Lévis	350	do 25	156	14 24	do do do
Polaris	250	June 18, 1888	533	29 32	do Quebec and Lévis.
Bienveun	600	Nov. 25	648	33 92	Side-wheel, passenger, Quebec and Ste. Anne.
Magnet	500	do 25	1,029	49 16	Side-wheel, passenger, Quebec and Chicoutimi.
St. Croix	541	do 25	445	25 80	Side-wheel, passenger, Quebec and St. Croix.
Ida	35	do 25	6	5 24	Screw, pleasure yacht, Lake St. Joseph
S. S. Bonavista	50	June 28, 1888	1,306	60 24	Screw, pass., Montreal and Gulf Ports.
Canada	1,200	Nov. 25	2,009	88 36	Side wheel, passenger, Quebec, Montreal and St. Ann.
Adirondock	12	do 25	12	5 48	Screw, passenger, Sorel and Berthier.
Canadien	60	do 25	26	6 04	Screw, pleasure yacht, Montreal and Quebec.
Mouche-à-feu	300	do 25	214	16 56	Side-wheel, passenger, Montreal and Charlemagne.
Glacial	145	July 2, 1888	109	12 36	Screw, ferry, Three Rivers and St. Angèlo.
Bourgeois	200	Nov. 25	170	14 80	Side-wheel, ferry, Three Rivers and St. Angèlo.
Como	100	do 25	75	8 00	Side-wheel, ferry, Three Rivers and Nicolet
Le Cultivateur	100	do 25	152	14 08	Centre-wheel, ferry, Verdon and St. Catharines.
South Eastern	700	do 25	395	23 80	Screw, railway transfer, Hochelaga and Longueuil.
Boneufant	25	do 25	22	5 88	Centre-wheel, ferry, Charlemagne and Bout de l'Isle.
1,000 Island Rambler	75	do 25	20	5 80	Screw, ferry, Ottawa and Hull.

STEAM Vessels Inspected for the Year, &c.—Quebec and Montreal Division—*Con.*

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts	
Ottawa	150	Nov. 25	116	12 64	Side-wheel, passenger, Pembroke and Joachims.
Walter B.	80	do 25	28	6 12	Screw, ferry, Pembroke and Isle Allumette
Rambler	30	do 25	8	5 32	Screw, pleasure yacht, Pembroke and around Pembroke.
Jenet Craig	50	do 25	12	5 48	Screw, ferry, Sand Point and Bristol.
Express	100	do 25	100	12 00	Side-wheel, ferry, New Edinburg and Gatineau Point.
Bertie Jones	22	do 25	2	5 08	Screw, pleasure yacht, about Ottawa.
Pearl	25	do 25	5	5 20	do do do
Agnes	50	do 25	29	6 16	Screw, pass., Buckingham and Grand Rapids.
Eva	25	do 25	6	5 24	do do do
Mouche-à-feu	50	do 25	20	5 80	Centre-wheel, ferry, Thurso and Clarence.
Bonito	30	do 25	17	5 68	Screw, ferry, Calumet and L'Orignal.
Glide	100	do 25	80	11 20	Screw, ferry, Calumet and Hawkesbury
John	50	do 25	35	6 40	Centre-wheel, ferry, Carillon and Point Fortune.
Empress	800	do 25	677	35 08	Side-wheel, passenger, Ottawa and Grenville.
Lady of the Lake	700	do 25	607	32 28	Side-wheel, passenger, Newport and Magog.
Mountain Maid	250	do 25	118	12 72	do do do
Albion	22	do 25	7	5 28	Screw, pleasure yacht, about St. Johns, Que.
Rivière du Loup	300	do 25	173	14 9	Side-wheel, ferry, Sorel and Berthier.
Canada Atlantic Tr'nsf	400	...	619	32 76	Side-wheel, railway transfer, Côteau and Valleyfield.
C. Anderson	100	...	...	...	Screw, ferry, Côteau and Valleyfield.
Acadian	Freight.	...	931	42 24	Screw, freight, Montreal and Gulf.
Caribou	150	Nov. 25	...	...	Screw, ferry, Valleyfield and Lancaster
Anna Marie	...	do 25	...	...	Screw, pleasure yacht, Lake Aylmer.
Lena	...	do 25	...	...	Screw, passenger, Lake Megantic.
Raftsman	50	do 1	94	11 76	Side-wheel, ferry, Lachine and Caughnauaga.
Charlotte	...	do 25	...	...	Screw, pass., Lake Temiscamingue.
Emerillon	...	do 25	...	...	do do do
Lotta	...	do 25	...	...	do do do
Matawan	...	do 25	...	...	do do do
Minerve	...	do 25	...	...	do do do

STEAM Vessels Inspected for the Year, &c.—Quebec and Montreal Division—*Con.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		$ cts.	
Argo.....	.....	Nov. 25.....	154	14 16	Side-wheel, passenger, Lake Temiscamingue.
Garnet.....	242	do 25.....	98	8 92	Side-wheel, passenger, Montreal and Cornwall.
Belmont.....	329	do 25.....	133	13 32	Side-wheel, passenger, Lachine and Chateguay.
Johanna B	60	do 25	17	5 68	Screw, passenger, Quebec Harbour.
May Flower.	32	do 25.....	.....	.....	do do do
Fairy.....	36	do 25.....	16	5 64	do do do
			.....	.....	

PIERRE D. BRUNELLE,
Hull Inspector.

STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

QUEBEC AND MONTREAL DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks. — Why not Inspected and Class of Vessel.
Mine	68	46	Not paid...	Screw, pleasure yacht. Not employed.
Eugenie	258	150	do ...	Side-wheel, ferry, Island of Orleans. Not employed.
James	127	31	do ...	Side-wheel, ferry, Valleyfield. Not employed.
Passport	1,034	593	do ...	Side wheel, passenger, Montreal and Toronto. N employed.
Kate	24	16	do ...	Screw, passenger, Buckingham. Not employed
Castor	93	58	Paid	Side-wheel, passenger, St. Jean de Chaillons. N carrying passengers.
Spray	42	28	Not paid...	Screw, passenger, Plantagenet. Not employed.
Rival	125	36	Paid.....	Side-wheel, passenger, Mal Bay. Not carryi passengers this year.
Montarville	268	166	Not paid...	Side-wheel, ferry, Longueuil. Not employed.
Laval	90	66	Paid.....	Side-wheel, ferry, Three Rivers. Not carry passengers this year.
Charlotte, of Montreal.	59	36	Not paid...	Screw, ferry, Valleyfield. Not employed.
Edda May	5	3	do ...	do passenger, at High Rock. Not employed
St. Ann	25	18	do ..	do ferry, Sand Point. do
Rocket	596	329	Paid.....	Side-wheel, pleasure boat. do
New York	123	69	Not paid...	do freight do do
Newport	12	8	Paid	Screw, passenger, Newport. Not carrying pas engers this year.
Isle aux Noix	20	13	Not paid...	Screw, passenger, St. John. Not employed.
Mattawan	612	389	.....	Screw, passenger and freight, Montreal. Out my district this year
Nepigon	604	384	.....	do do do
Rodolphe	116	73	Paid.....	Side-wheel, passenger, Montreal and Sorel. N carrying passengers this year.
Cultivateur	687	433	Not paid...	Side-wheel, passenger, Montreal and Sorel. N employed.
Total	4,988	2,945		

PIERRE D. BRUNELLE,
Hull Inspector.

STEAM Vessels Inspected for the Year ended 31st December, 1887.

MARITIME PROVINCES DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
ominion	175	1888. Feb. 24	594·18	31 76	Passenger and freight, screw.
ity of St. John	130	1887. Nov. 30	709·00	20 24	do do paddle.
lpha	80	1888. Feb. 26	306·91	36 30	do do screw.
rcadia	10	1887. Nov. 1	61·64	7 48	do do do
lamedia	12	1888. March 17	33·93	6 35	do do do
ertha		April 7	29·79	6 20	Tug, screw.
uiddy	10	March 26	30·59	6 20	Passenger and tug, screw.
illie Glasier		do 28	209·31	13 36	Tug, paddle.
da G		do 28	102·08	9 08	do
dmiral		do 29	138·20	11 32	do
lercules		do 29	79·37	8 48	Tug, screw.
elief		do 30	87·11	8 16	Tug, paddle.
ellisle	126	1887. Dec. 15	155·44	14 20	Passenger, stern-wheel paddle.
ay Queen	330	do 15	539·40	29 56	do paddle.
ew City		1888. April 2	78·38	8 12	Tug, screw.
I. A. Starr	30	1887. Nov. 15	244·32	17 76	Passenger, screw.
A. C. Whitney		1888. April 13	62·67	7 52	Tug, screw.
hebucto	300	do 14	108·33	12 32	Ferry, passenger, paddle.
lic Mac	350	do 14	150·63	14 00	do do
ir C. Ogle	200	do 14	126·09	13 04	do do
lida		do 16	64·18	7 56	Tug, screw.
lectra (new)		do 19	90·40	8 60	Fish boat, screw.
cadia (new)	150	Jan. 1	74·21	7 96	Passenger, screw.
inafore	80	do 1	25·86	6 00	do do
cadia	400	1887. Dec. 15	621·44	32 84	Passenger and freight, paddle.
G. D. Hunter		1888. April 23	67·97	7 68	Tug, screw.
oulanges	250	1887. Dec. 15	318·37	20 72	Passenger and freight, paddle.
eneral		1888. April 25	159·09	11 36	Tug, paddle.
tar	300	1887. Dec. 15	461·03	26 44	Passenger and freight, paddle.

STEAM Vessels Inspected for the Year, &c.—Maritime Provinces Division—*Continue*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Tiger	.....	April 26	105·30	9 20	Tug, paddle.
Enterprise	40	do 27	72·33	7 88	Ferry, passenger, paddle.
Neptune	.....	do 27	71·15	7 84	Tug, screw.
Captain	.....	April 27	68·43	7 72	Tug, screw.
Norman	.....	do 28	46·87	6 84	do do
Western Extension	336	do 29	424·00	24 96	Ferry, paddle.
New Dominion	.....	.....	.....	Nil.	Government dredge.
Ralph, E. S. (new)	.....	May 4	27·82	6 12	Fish-boat, screw.
Henry Hoover	.....	do 5	43·00	6 72	Tug, screw.
Goliah	.....	do 5	146·83	10 88	do do
Bessie & Harry	.....	do 5	22·00	5 88	Water-boat, screw.
Princess of Wales	400	do 10	935·54	45 40	Passenger, paddle.
Heather Belle	250	Dec. 15	282·34	19 27	do do
Southport	300	May 10	239·92	17 60	Ferry do
Elfin	200	do 10	122·42	12 88	do do
St. Lawrence	400	do 11	845·63	41 80	Passenger do
		1887.			
F. C. Batt	40	Dec. 15	32·90	6 32	Ferry, screw.
		1888.			
Montague	250	May 12	129·55	13 16	do paddle.
Willoughby (new)	.....	do 13	6·41	5 24	Fish-boat, screw.
Beaver	70	do 13	146·86	13 84	Passenger do
Winnie	.....	do 13	3 00	5 12	Tug, screw.
Mayflower	300	do 14	377·00	Nil.	Government ferry, twin-screw.
St. Lawrence	.....	.....	.....	Nil.	do dredge, screw.
Gipsy	.....	May 16	16·70	5 68	Tug, screw.
Shannon	.....	do 16	75·11	8 00	do do
Flushing	275	do 23	257·09	18 28	Passenger, screw.
		1887			
Clifton	150	Dec. 15	138·21	13 52	do stern-wheel.
		1888.			
Novelty	.....	May 24	42·66	6 68	Tug, paddle.
Richard Doane	.....	do 24	70·46	7 80	do screw.
Florenceville	250	do 25	185·14	15 40	Passenger, stern-wheel.

STEAM Vessels Inspected for the Year, &c.—Maritime Provinces Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Melbourne	.....	May 25	4·00	5 16	Pleasure yacht, screw.
Sarah H.	.....	do 26	81·46	8 24	Tug, paddle.
Ada	.....	do 26	3·66	5 16	Private yacht, screw.
Fanchon	.....	do 26	38·35	6 52	Tug, stern-wheel.
Sea King	.....	June 7	128·63	10 16	do screw.
Lillie	.....	June 7	71·64	7 88	Tug, screw.
St. Andrew	.....	do 7	76·64	8 04	do do
St. George	.....	do 8	160·57	11 40	do side-wheel.
Miramachi	60	do 8	75·18	8 00	Passenger, screw.
Nelson	100	do 8	64·34	7 56	Ferry and passenger, screw.
Sybella H.	160	do 9	70·68	7 80	do do paddle.
Mindoo	.....	do 9	13·09	5 52	Tug, screw.
Mary Ann	.....	do 9	25·38	6 00	do do
Laura	.....	do 10	13·55	5 56	do do
Derby	.....	do 10	11·66	5 48	do paddle.
Lady Dufferin	100	do 11	47·48	6 88	Ferry do
Bessie	.....	do 11	5·18	5 20	Fish-boat, screw.
Loyalist	.....	do 11	17·57	5 72	Tug, paddle.
Zulu	.....	do 13	17·60	5 68	do do
Utopia	.....	do 13	25 00	5 86	do screw.
East Riding	.....	do 15	85·55	8 40	do paddle.
St. Michael	.....	do 17	39·20	6 56	do screw.
Squirrel	.....	do 14	13·11	5 52	do do
Rimouski	70	do 20	124·70	13 00	Passenger, screw.
Salvoi (new)	.....	do 23	44·93	6 80	Lighter do
Highland Mary	.....	do 24	88·93	7 96	do do
Robbie Burns	.....	do 24	73·73	8 56	do do
Wm. Aitken (new)	.....	do 28	74·87	8 00	Tug do
Northern Light	.....	July 5	393·00	Nil.	Government ferry and mail, screw
Storm King	20	do 5	107·87	9 28	Tug and passenger, screw.

STEAM Vessels Inspected for the Year, &c.—Maritime Provinces Division—*Continue*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
David Weston	480	July 15	765·15	38 60	Passenger, paddle.
Bismarck		do 6	23·87	5 92	Tug do
Fred Clinch		do 6	49·04	6 96	do screw.
Norwegian	200	do 12	202·91	Nil.	Government ferry.
Effort		do 12	23·38	5 92	Yacht and tug, screw.
Neptune	50	do 14	138·69	13 52	Passenger, paddle.
Gladiator		do 15	70·40	7 80	Tug, screw.
Annie		do 5	13·28	5 52	Tug, screw.
Zaidee		do 15	18·63	5 72	do
Merrimac		do 16	85·80	8 40	do
Lady of the Lake	70	do 16	61·10	7 44	Passenger, paddle.
May Queen	40	do 17	142 09	13 68	do
Marion	300	do 18	478·49	27 12	do
Eleanor M. Cates		do 19	58 81	7 36	Tug, screw.
D. P. Ingraham		do 20	112·81	9 48	do
L. Boyer		do 20	56·78	7 25	do
Lennox (new)	100	do 21	66·29	11 60	Ferry, paddle.
Lion		do 22	19·82	5 80	Tug, screw.
Gambinus		do 19	28·36	6 12	do
Hiawatha	220	Aug. 2	229·79	17 20	Passenger, screw.
Scotia		do 2	41·58	6 68	Tug, paddle.
Joe. Edwards	30	do 3	34·66	6 40	Ferry, passenger, screw.
Eva Johnston		do 4	16·00	5 64	Tug, screw.
David Duncan		do 4	20·59	5 84	do
Freddie V.		do 5	26·60	6 04	do
Marina		do 5	32·46	6 28	Tug, fish, screw.
Island Gem		do 5	15 62	5 64	Fish boat, screw.
Yuba	15	do 8	12·04	5 48	Ferry, passenger, screw.
Carrie		do 8	14·83	5 60	Fish boat, screw.

STEAM Vessels Inspected for the Year, &c.—Maritime Provinces Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Mable Freeman.....	.....	Aug. 10.....	26·74	6 08	Tug, screw,
La Have.....	.....	do 12	49·27	6 96	do
Winnie.....	.....	do 12.....	12·46	5 48	do
Daisy.....	.....	Sept. 2.....	10·74	5 40	do
	8,209	.....	15,641·12	1,261 47	

DOUGLAS STEVENS,
Steamboat Inspector.

STEAM Vessels Not Inspected for the Year ended 15th September, 1887.
MARITIME DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks.
Arrow	10·02	7·92	Certificate not expired, screw, yacht, tug.
Delta	873·91	549·71	do do do pass., and freight.
Dirigo	70·13	47·69	do do do tug.
Dream	44·00	30·27	do do do yacht.
Secret	466·56	293·17	do do paddle, passenger.
St. Pierre	496·44	275·15	do do screw do
Andover	185·78	139·98	Laid up, stern-wheel, passenger.
Champion	190·14	119·79	do paddle, tug.
Clyde	592·00	219·00	do for repairs, paddle, passenger.
Evangeline	78·74	53·54	do do screw do
Forest Queen	115·22	72·59	do paddle, tug.
Grip	3·00	3·00	do screw, yacht.
Geo. Shattuck	361·64	231·27	do do passenger
Henry Aitken	38·52	26·20	do do tug.
Islet	5·05	3·44	do do do
John Williams	4·95	3·37	do do yacht.
Saddie	42·16	28·58	do do tug.
Meta	5·00	1·00	do do yacht.
Mascotte	22·88	15·05	do do fish boat.
Ouangondy	294·75	98·81	do do paddle, passenger.
Oscar Wylde	72·00	45·10	do do stern-wheel, pass. and freight.
St. Patrick	38·92	25·78	do do screw, tug.
St. Louis	4·97	3·38	do do do yacht.
St. George	37·53	18·76	do do tug.
St. John	47·28	32·15	do do do
Tourist	11·78	8·01	do do do
Empress	929·60	660·14	do do paddle, passenger.
Glendon	266·58	175·42	do do screw, wrecker.
	5,309·55	3,188·27	

DOUGLAS STEVENS, *Steamboat Inspector.*

STEAM Vessels Inspected up to the 15th September, 1887.

MARITIME PROVINCES DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Alameda	12	Mar. 17, '88...	33·93	5 36	Passenger vessel.
Alpha	80	do 17, '88...	211·54	20 24	do
Arcadia	10	Dec. 15, '87...	61·00	7 48	do
Acadia	400	do 15, '87...	621·44	32 84	do
Acadia (new)	150	Jan. 15, '88...	74·21	7 96	do
Bellisle	126	April 30, '88...	155·87	14 20	do
Beaver	70	June 17, '88...	146·86	13 84	do
Chebucto	300	April 20, '88...	108·33	12 32	Ferry boat.
Clifton	150	May 5, '88...	138·21	13 52	Passenger vessel.
City of St. John	125	Dec. 1, '87...	709·12	36 30	do
Dominion	175	Feb. 25, '88...	594·18	31 76	do
David Duncan	15	Jan. 18, '88...	20·59	5 84	In case of emergency is allowed to carry passengers to and from St'r Secret, at Digby, N.S.
David Weston	480	.....	765·00	38 60	Passenger vessel.
Elfin	200	May 9, '88...	122·44	12 88	Ferry steamer.
Enterprise	40	April 13, '88...	92·33	7 88	do
Effort	20	July 18, '88...	23·00	5 92	In case of emergency is allowed to carry passengers across the Straits of Canso.
Evangeline	135	Sept. 6, '88...	78·74	8 16	Passenger vessel.
F. C. Batt	40	May 10, '88...	22·91	6 32	Ferry steamer.
Flushing	275	.....	257·09	18 28	Passenger vessel.
Florenceville	270	June 13, '88...	185·00	15 40	do
Heather Belle	250	May 9, '88...	282·00	19 28	do
Hiawatha	350	Sept. 17, '87...	229·00	17 16	do
Joe Edwards	30	July 22, '88...	34·66	6 40	Ferry boat.
Lady Dufferin	100	May 23, '88...	47·48	6 88	do
Lady of the Lake	70	July 13, '88...	61·10	7 44	do
Lennox (new)	100	do 16, '88...	66·00	7 64	do
May Queen	330	Dec. 15, '87...	539·40	29 56	Passenger vessel.
Mic-Mac	350	April 20, '88...	150·63	14 00	Ferry steamer.

STEAM Vessels Inspected up to the 15th September, 1887—Maritime Division—*Con.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
M. A. Starr	50	April 27, '88...	244·00	17 76	Passenger vessel.
Mayflower	300	May 7, '88...	377·00	.....	Government ferry boat.
Montague	250	do 10, '88...	129·00	13 16	Ferry boat.
Miramichi	60	do 23, '88...	62·25	8 00	Passenger vessel.
Marion	300	July 13, '88...	478·00	27 12	do
Merrimac	40	do 13, '88...	85·80	8 40	In case of emergency is allowed to run as a ferry boat between North and South Sydney.
May Queen	40	do 13, '88...	142·00	13 68	Passenger vessel.
Nelson	100	May 23, '88...	68·60	7 56	Ferry boat.
Norwegian	200	July 16, '88...	202·00	.....	Government ferry boat.
Neptune	50	do 16, '88...	138·00	13 52	Passenger vessel.
Pinafore	80	Jan. 15, '88...	25·86	6 04	Ferry boat.
Princess of Wales	400	May 6, '88...	935·84	45 40	Passenger vessel.
Quiddy	10	Mar. 23, '88...	30·59	6 20	Ferry boat.
Rimouski	70	June 27, '88...	124·70	13 00	Passenger vessel.
Soulanges	250	April 23, '88...	318·37	20 72	do
Sir C. Ogle	200	do 20, '88...	126·00	13 04	Ferry boat.
Star	300	do 30, '88...	461·03	26 44	Passenger vessel.
Sybella H	160	May 23, '88...	47·48	7 80	Ferry boat.
St. Pierre	60	July 19, '88...	496·00	27 84	Passenger vessel.
Storm King	20	June 3, '87...	117·00	9 28	Allowed, in case of emergency, to carry passengers.
St. Lawrence	400	May 8, '88...	846·00	41 80	Passenger vessel.
Southport	300	do 9, '88...	186·15	17 60	Ferry boat.
Western Extension	336	Aug. 9, '88...	425·00	24 96	do
Yuba	15	May 17, '88...	12·04	5 48	do
			11,701·17	784 10	

Bessie Williams, at Shelburne, N.S., on her fitness for a lightship.
Fury, at Church Point, N.S. do do
Lansdowne, repairs, &c., to make her efficient for the service.
Northern Light, at Charlottetown, P.E.I., special survey on condition and efficiency.

C. R. COKER,
Dominion Inspector of Hulls, &c.

STEAM Vessels Inspected for the Year ended 31st December, 1887.
MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Harry Montgomery	.....	May 9, '88...	3·65	5 16	Screw, fishing boat.
Ogema	12	do 9, '88...	62·05	7 48	do passenger and freight.
Lady Ellen	.....	do 9, '88...	18·57	5 75	do fishing boat.
Alice Sprague	200	June 1, '88...	98·49	8 92	Stern-paddle, passenger.
Kakabeka	200	May 17, '88...	112·67	9 50	Screw, ferry, Port Arthur and Fort William.
Hattie Vinton	.....	do 17, '88...	55·27	6 20	Screw, tug boat.
Mary Ann	.....	do 18, '88...	86·00	8 44	do do
Ida	.....	do 19, '88...	19·37	5 77	do fishing boat.
Kate Marks	.....	do 19, '88...	54·15	7 16	do do
Brothers	.....	do 20, '88...	Not registered.	5 24	do do
Three Friends	.....	do 21, '88 ..	97·35	8 91	do tug boat.
Salty Jack	.....	do 23, '88...	44·62	6 80	do do
Emelie	.....	do 26, '88...	Not registered.	.....	do pleasure yacht.
E. M. Foster	100	do 27, '88...	138·14	13 52	Twin-screw, passenger and freight.
Butcher's Boy	90	do 28, '88...	214·60	15 56	Screw do
Richmond	.....	do 27, '88...	Not registered.	.....	do fishing boat.
Antelope	300	June 1, '88...	120·33	12 80	Single paddle, passenger, used only for excursions.
Regina	37	do 2, '88...	6·78	5 28	Screw, passenger.
Glendevon	.....	do 11, '88...	104·05	12 16	do fishing boat.
Princess	75	do 11, '88...	530·58	29 24	Paddle, passenger and freight.
North-West	50	do 20, '88...	425·00	25 00	Stern-paddle do
Marquis	100	do 21, '88...	753·76	38 16	do do
Millie Howell	.....	July 1, '88...	24·11	5 96	Screw, tug boat.
Highland Maid	25	do 4, '88...	106·24	12 24	do passenger and freight.
Windigo	.....	do 5, '88...	4·24	5 16	do tug boat.
Fleetwing	.....	do 5, '88...	40·40	6 60	do do
Cruiser	.....	do 6, '88...	11·59	5 48	do do
Sunbeam	.....	do 6, '88...	2·86	5 12	do pleasure yacht.
Queen	.....	do 7, '88...	31·64	6 28	do tug boat.
Empress	.....	do 11, '88...	129·28	10 16	Twin-screw, tug boat.

STEAM Vessels Inspected for the Year, &c.—Manitoba, Keewatin and North-We Territories Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Rover	.....	July 9, '88...	4·07	5 16	Screw, tug boat.
Mary Hatch	.....	do 8, '88...	118·45	9 72	Paddle do
Victoria	.....	do 9, '88...	40·10	6 60	Screw do
Dryberry	.....	do 9, '88...	11·72	5 48	do do
D. L. Mather	.....	do 9, '88...	103·32	9 12	do do
Algoma	.....	do 11, '88...	99·13	8 96	do do
Caro	.....	do 18, '88...	3·55	5 16	do do
Percy Sutherland	.....	do 21, '88...	33·55	6 36	do do
Couchiching	.....	do 25, '88...	105 42	9 20	do do
Rambler	.....	do 25, '88...	13 51	5 56	do pleasure yacht.
Marquette	350	do 28, '88...	354·25	22 16	Stern-paddle, passenger.
Amy	.....	do 29, '88...	Not registered.	5 08	Screw, pleasure yacht.
Saskatchewan	.....	Aug. 12, '88...	336·84	21 48	Paddle, freight.
Lotus	.....	June 3, '88...	Not registered.	5 12	Screw, pleasure yacht.
Colville	25	Aug. 15, '88...	164·41	14 56	Twin-screw, passenger and freigh
	1,264		4,684·11	433 77	

EDMUND R. ABELL,
Steamboat Inspector.

STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
			$ cts.	
Baroness	320·04	201·63	17 80	Not in use; stern-paddle, freight; on South Saskatchewan River, North-West Territories.
Minnow	20·05	15·57	5 80	Not in use; stern-paddle, pleasure yacht; moored at Lethbridge, N.W.T.
Northcote	461·34	290·65	26 44	Not in use; stern-paddle, passenger and freight; on Saskatchewan River.
May	1·68	1·15	5 08	Broken up at Rat Portage, Lake of the Woods; screw, tug.
Thistle	23·33	13·86	5 92	Sunk under the falls at Fort Frances; screw, tug; endeavours will be made to raise the vessel.
Annie Mac	8·39	5·29	5 32	Docked at Keewatin; alterations being made for change from paddle to screw; ferry; Rat Portage to Keewatin.
Victoria	22·16	15·23	.....	Docked for repairs; now purchased by the Dominion Government for dredging purposes on Lake Manitoba; screw.
Lady of the Lake	1·63	1·11	5 08	Pleasure yacht, screw; on Shoal Lake.
Grahame	332·18	220·04	21 28	Fort Chipewyan, Athebasca; at too great a distance from office; approximately to 100 days' travel (going and coming) from office; freight, stern-paddle; Hudson Bay Co., owners.
Wrigley	90·04	61·23	8 60	On the McKenzie River and Great Slave Lake, at too great a distance from office; screw, freight; Hudson Bay Co., owners.
Lady Blanche	.....	.....	.....	Not surveyed nor registered, and under seizure by the Customs of the Port of Winnipeg; the vessel is now sunk at Totogon, on the White Mud River; screw, tug.
Sir Hector	.....	.....	.....	Property of the Dominion of Canada; employed as dredge tender on Red River and Lake Winnipeg.
Idaho	.....	.....	.....	Not in use; sunk in the Red River at Selkirk; never has been either measured, registered or inspected; screw, small pleasure yacht.
	1,280·84	825·76	101 38	

EDMUND R. ABELL,
Steamboat Inspector.

STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fines.	Remarks.
			$ cts.	
Wrigley	90·04	61·23	8 60	Screw, freight; McKenzie River; too grea a distance from office.
Lady Blanche	.....	.....	.....	Screw, tug; not registered, and unde seizure by the Customs of Port of Win nipeg.
Sir Hector	.....	.....	.....	Screw, tug; dredge tender on Red River Dominion Government, owners.
Idaho	.....	.....	.....	Screw, pleasure yacht; not in use, an not registered.

EDMUND R. ABELL,
Steamboat Inspector.

STEAM Vessels Inspected for the Year ended 31st December, 1887.

MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Annie Mac	.....	No certificate issued.	8·39	.....	This vessel has been changed fron paddle to screw; no receipt o tonnage dues and inspection fee being paid could be produced therefore no certificate issued
Lady of the Lake	.....	Oct. 14, 1888	1·68	5·08	Screw, pleasure yacht; on Shoa Lake, Manitoba.
			10·07	5·08	

EDMUND R. ABELL,
Steamboat Inspector.

STEAM Vessels Inspected for the Year ended 5th September, 1887.

BRITISH COLUMBIA DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Beaver	.....	Jan. 4	159·2	14 36	
Yosemite	400	do 7	1525·3	69 00	
Grace	20	do 10	83·1	8 32	
Westminster	.....	Feb. 14	18·29	.....	Special inspection.
Belle	12	April 19	66·62	.....	do
Iris	.....	Sept. 20	19·32	.....	do
Saturna	12	Jan. 31	22·5	5 88	
Westminster	.....	Feb. 15	18·29	5 72	
Spitfire	.....	do 23	8·	5 32	
Sardonyx	150	do 24	404·40	24 16	
Amelia	180	Mar. 14	430·97	25 24	
Pearl	.....	do 21	75·27	8 00	
Gladys	70	do 31	146·2	13 84	
K. de K	20	do 31	61·67	7 48	
Adelaide	100	do 31	151·	14 04	
Buzz	.....	do 31	12·59	5 52	
Reliance	200	do 31	313·94	28 56	
Barbara Boscowitz	158	April 4	269·8	18 76	
Eliza	12	do 4	7·55	5 32	
Red Star	12	do 6	14·81	5 60	
Florence	.....	do 7	59·44	14 80	Two years dues and fees paid.
Wellington	.....	do 11	16·3	11 28	do
Belle	12	1887. Aug. 31	6·62	7 64	
Wm. Irving	200	1888. April 30	737·86	75 04	do
R. P. Rithet	250	1887. Oct. 1	816·29	40 68	
Mermaid	.....	1888. May 17	66·25	7 64	
Hope	15	do 25	78·49	8 16	
Glad Tidings	.....	do 25	43 02	6 72	
Daisy	15	do 26	84·16	8 36	
May Queen	.....	June 3	14 10	5 56	

STEAM Vessels Inspected for the Year, &c.—British Columbia Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Emma	5	June 6	35·	6 40	
Senator	30	do 7	27·63	6 10	
Nell	.....	do 20	209·97	16 32	
Skidegate	.....	do 20	37 08	6 48	
Robert Dunsmuir	85	do 20	251 75	17 24	
Normensell	.....	do 27	4·	10 32	do
Brunette	.....	do 27	5·11	20 48	Four do
Joe Adams	.....	do 27	11·89	10 96	Two do
Alice	.....	do 27	54·10	6 36	
Etta White	20	do 30	97·35	9 00	
Leonora	25	do 30	18·	6 32	
Alexander	12	July 7	331·61	21 28	
Lottie	.....	do 8	29·24	6 16	
Skidegate	.....	do 9	37 08	5 00	Special inspection.
Princess Louise	300	do 13	931·76	45 28	
Woodside	25	do 19	50 27	7 00	
Mamie	.....	do 26	89·60	8 60	
Rainbow	60	do 28	207·64	16 32	
Duchess	.....	Aug. 10	.....	6 28	Not registered.
Cline	.....	do 10	.....	5 80	do
Peerless	200	do 12	307·47	20 28	
Spallmucheen	25	do 12	54·29	7 16	
Kamloops	200	do 13	425·78	25 00	
Lady Dufferin	25	do 13	59·73	7 50	
Belle	12	do 15	66·62	5 00	Special inspection.
Gipsy	.....	do 15	49·63	14 00	Two years dues and fees paid.
Evangeline (Bishop's yacht.)	.....	do 24	13·86	16 68	Three do
Princess Louise	.....	do 25	16·36	17 04	do
Eva	.....	do 26	6·56	15 04	do
Oriole	.....	Sept. 5	4·45	10 40	Two do
			7,843·38	826 80	

W. A. RUSSELL,
Steamboat Inspector.

STEAM Vessels Not Inspected for the Year ended 5th September, 1887.

BRITISH COLUMBIA DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
			$ cts.	
Hyack	31·39	33·58	6 28	Vessel laid up; no service for her.
Nudge	.....	.....	.....	Both these vessels are at Kootenay, and the uncertainty of their being in service does not warrant going such a distance.
Surprise	14·80	10·	.....	
Otter	289·07	219·64	19 56	Vessel unfit for service.
Skuggy	471·69	297·16	26 87	Vessel laid up; no business.
Thornton	31·64	28·64	6 28	Sealing schooner; seized by United States Government.
Western Slope	831·59	725·71	41 28	Vessel laid up; no business.
Wilson G. Hunt	467·96	350·36	.....	This vessel has her machinery in, but she is unfit for service.
Victoria	.....	.....	.....	This vessel is at Soda Creek, and no means of going there.
	.....	.....	.....	

W. A. RUSSELL,
Steamboat Inspector.

STEAM Vessels Inspected for the Year ended 31st December, 1887.

BRITISH COLUMBIA DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Beaver	.....	Jan	150·02	14 36	
Grace	20	do	83·01	8 32	
Saturna	12	do	22·05	5 88	
Yosemite	400	do	1,525·03	69 00	
Sardonyx	150	Feb	404·40	24 16	
Red Star	12	April	14·81	5 60	
Amelia	180	March	430·97	25 24	
Bell	12	do	66·62	7 68	
Barbara Boscowitz	158	Feb	269·08	18 76	
Eliza	12	April	7·55	5 32	
Robert Dunsmuir	85	June	231·75	17 24	
K. de K.	20	April	61·67	7 48	
Gladys	70	March	146·02	13 84	
Adelaide	100	do	151·02	14 04	
		1887.			
Reliance	200	May	313·94	20 56	
R. P. Rithet	250	Oct	816·69	40 68	
		1888.			
Wm. Irving	200	April	737·86	75 04	Dues and fees for two years.
Hope	15	May	78·49	8 16	
Daisy	15	do	84·16	8 36	
Etta White	20	June	97·35	8 92	
Emma	15	do	35·00	6 40	
Senator	30	do	27·63	6 10	
Leonora	25	do	33·	6 32	
Nell	.....	do	207·97	16 32	
Connolley's Scow	160	do	.....	5 00	For one day.
Holland's Scow	100	do	.....	5 00	do
Fleash's Scow	150	do	.....	5 00	do
Jagars	70	do	.....	5 00	do

STEAM Vessels Inspected for the Year, &c.—British Columbia Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		$ cts.	
Alexander	12	July	331·61	21 28	
Princess Louise	300	do	970·77	46 84	
Woodside	25	do	50·27	7 00	
Rainbow	60	do	207·64	16 32	Was called the "Teaser."
			7,565·36	545 22	

R. COLLISTER,
Hull Inspector.

STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

BRITISH COLUMBIA DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
			$ cts.	
Otter	289·07	219·64	19 56	Laid up; passenger and freight, screw; seized by the United States Government.
Thornton	31·64	28·64	6 28	Freight boat; screw.
Surprise	14·80	10·	5 56	Laid up; no trade.
Western Slope	831·59	725·71	41 28	Laid up.
	1,167·10	983·99	72 68	

R. COLLISTER,
Hull Inspector.

STATEMENT of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended 31st December, 1887; and where and how employed.

WESTERN ONTARIO DIVISION.

Name of Vessel.	Where and how Employed.	Name of Vessel.	Where and how Employed.
John Harris	Spanish River, tug.	Ada E. Allen	Detroit River, freight
Coral	Georgian Bay, freight.	Kate Pilgrim.	Penetanguishene, tug
Norah	Bruce Mines, tug.	Dufferin	Owen Sound, tug

EAST ONTARIO DIVISION.

Puritan	Broken up; was employed as a passenger boat on Bay of Quinté.	City of Kingston.	Broken up; was employed as a passenger boat on Rideau Canals.
Denis Bowen	Broken up; was employed as a passenger boat on Bay of Quinté.	Coboconk	Burned on Cameron Lake; was used as a tug boat there.

MONTREAL DIVISION.

Sir JohnYoung	Ottawa River, towing.	St. George	St. Lawrence River, towing.
Aylmer	do passenger.	William	do do
Buckingham	Lièvre River do	Magog	Lake Magog, passenger.
Lady Forest	do do		

QUEBEC DIVISION.

Ranger	Side-wheel, tug, Montreal and Bic; her engine has been taken out and a freight barge made of her.	St. Andrew	Side-wheel, tug, Quebec.
		Tiger	do do
		St. Antoine	do do
Scotchman	Side-wheel, tug, Quebec and Montreal.	Hero	Side-wheel, Quebec; engine taken out of her.
St. Charles	Side-wheel, tug, Quebec.		

STATEMENT of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, &c.—*Concluded.*

MARITIME PROVINCES DIVISION.

Name of Vessel.	Where and how Employed.	Name of Vessel.	Where and how Employed.
Dragon	Pictou, N.S., paddle, tug.	Wellington	Summerside, P. E. I., paddle passenger.
Dolphin	Lingan, C.B. do	Xanthus	St. John, N.B., Screw, tug.
Douglas	St. John, N.B., screw, tug.	Xiphias	do paddle, tug.
Sir John	St. John, N.B., screw, freight and tug.		

MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

May	Rat Portage and Lake of the Woods, small tug boat.		

BRITISH COLUMBIA.

Gertrude	Fraser River, freight and passenger.	Arrow	Burrard Inlet, freight and passenger.
Saanich	Fraser River, freight.		

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887; their Class and Horse-Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Arbutus	4·8	Screw	Wood	49·49	33·65	Wallaceburg, Ont., 1887	Sydenham River, tug.
Arrow	1·2	do	do			Walkerville, Ont., 1887	Detroit River, yacht.
Bertha Endress	3·3	do	do			Buffalo, N.Y., 1876	St. Joseph's Island, tug.
City of Stratford	1·2	do	do	5·78	5·05	Port Dalhousie, 1887	Stratford, Ont., tug.
Euna	1·87	do	do	6·19	4·21	McClemens, Mich., 1878	Wallaceburg, Ont., tug.
Electric	1·2	do	do	4 04	2·75	Toronto, Ont., 1887	Toronto, Ont., pleasure yacht.
Juno	4·8	do	do	28·36	19·29	Goderich, Ont., 1887	Georgian Bay, Ont., fishing boat.
Laely Eberth	0·53	do	do				Oliphant, Ont, fishing boat.
Lewis	0·53	do	do	14·61	9 94	Hamilton, Ont., 1887	Hamilton, Ont., pleasure yacht.
P. S. Husordt	4·8	do	do	45·21	30 75	Owen Sound, Ont., 1887	Spanish River, tug.
Steve H. Lyon	4·8	do	do	19 20	13·02	Buffalo, N.Y., 1874	Welland Canal, tug.
Uncle Jim	1 6	do	do	11 41	7·76	Wallaceburg, Ont, 1886	Wallaceburg, Ont., yacht.
Wm. H. Seibold	3·3	do	do	22·18	15·09	Goderich, Ont., 1887	Georgian Bay, fishing boat.

OLIVER P. ST. JOHN,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISIONS.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and How Employed.
Argosy	0·30	Screw	Wood	1·24	0·85	Unknown	Toronto, yacht.
Comet	3·33	do	do	20·08	13 66	Milford Bay, 1887	Muskoka Lakes, tug.
Ethel	1·20	do	do	13·01	8·85	Collingwood, 1887	Collingwood, fishing tug.
Eagle	2·13	do	do	12·06	8·92	do	Parry Sound, yacht.
Edith May	2·13	do	do	44·88	10·52	Port Sandfield, 1887	Muskoka Lakes, passenger.
Fred. Davidson	4·80	do	do	43·24	29·41	Penetanguishene, 1887	Penetanguishene, tug.
Gypsy	3·33	do	do	20·03	13·63	Toronto, 1887	Lake Simcoe, yacht.
Home Rule	0·46	do	do	3·29	2·24	Penetanguishene, 1887	Penetanguishene, yacht.
Irene	2·13	do	do	7·02	4·77	Toronto, 1887	Toronto, yacht.
Longford	5·63	do	do	53·29	36·24	Orillia, 1887	Lake Simcoe, passenger.
Lady Katrine	2·13	do	do	16·04	10·91	Katrine, 1886	Magnettawan River, freight.
Mabel	1·89	do	do	11·24	7·65	Penetanguishene, 1886	Penetanguishene, yacht.
Nipissing	22·53	Paddle	Steel	275·45	207·46	Gravenhurst, 1887	Muskoka Lakes, passenger.
Notos	1·40	Screw	Wood	16·33	11·11	Port Rowen, 1884	Niagara, yacht and tug.
Onaganoh	2·13	do	do	18·73	12·74	Kingston, 1887	Muskoka Lakes, passenger.
Pocahontas	4·80	Paddle	do	31·60	19 91	Muskoka Mills, 1885	Muskoka Mills, tug.
Rover	4·80	Screw	do	50·83	34·56	Owen Sound, 1887	Michael's Bay, tug.

Rescue	2·13	do	do	7·23	4·92	Toronto, 1886	Toronto, yacht.
Spartan	0 50	do	do	2·29	1·56	do 1887	Barrie, do
Sarana	0·30	do	do	.....	.....	Chicago	Toronto, do
Saucy Jim	13·06	do	do	93·29	63·44	Penetanguishene, 1887	Penetanguishene, tug.
Welcome	3·00	do	do	21·23	14·44	Collingwood, 1886	Killarney, fishing tug.

W. J. MENEILLY,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 15th September, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registerd Tonnage.	Where Built.	Where and how Employed.
Edith May		Screw	Wood	44·88	32·52	Port Sandfield	Pleasure yacht, Muskoka Lakes.
Gypsy		do	do	20·03	13·63	Toronto	do Lake Simcoe.
Comet		do	do	20·08	13·60	Beaumaurice	do Muskoka Lakes.
Pocahontas		Paddle	do	31·60	19·91	Muskkosh Mills	Tug, Georgian Bay.
Express		Screw	do	3·90	2·66	Toronto	Pleasure yacht, Toronto Bay.
Irene		do	do	7·02	4·77	do	do do
Argosy		do	do	1·24	·85	do	do do
Spartan		do	do	2·29	1·36	do	do Lake Simcoe.
Lady Katrine		do	do	16·04	10·91	Lake	Tug, Cecebe River.
Notos		do	do	16·33	11·11	Port Colborne	Tug, Niagara River.
Nipissing		do	Iron	275·45	207·46	Gravenhurst	Passenger, freight, Muskoka Lakes.
Jubilee		do	Wood	2·91	1·98	Port Carling	Tug, Muskoka Lakes.
Florence		do	do	2·96	2·04	Bradford	Pleasure yacht, Lake Simcoe.
Electric		do	do	4·04	2·75	Toronto	do Toronto.
Hyeia		do	do	1·94	1·32	do	do do
Cora		do	do	3·74	2·55	do	do do

THOS. HABOTTLE,
Hull Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887, their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power, Nominal.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Belle Amelia	1·20	Screw	Wood	3·80	2·60	Cobourg, 1883	As a passenger boat on West Lake.
Island Queen	6·53	do	do	98 09	36·05	Kingston, 1887	do River St. Lawrence.
Vesper	0 40	do	do	2·49	2·00	Brockville, 1887	Yacht, on River St Lawrence.
Nora	3·00	do	do	28·13	19·13	Desoronto, 1886	Tug, on Bay of Quinté.
	11·13			132·51	59·78		

EDWARD ADAMS,
Engine Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887, their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

EASTERN DIVISION.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Queen of the Isles	.....	.....	Wood ...	98·09	62·04	Kingston.....	St. Lawrence River, Kingston to Montreal.

JAMES DICK,
Hull Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

MONTREAL DIVISION.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Minnie Bell	4·8	Screw	Wood	20	12	Ottawa	Ottawa River, towing.
Bertie Jones (yacht)	·53	do	do	2	1	do	do and Rideau Canal, passenger.
Antelope	13·3	do	do	82	58	Montreal	do and St. Lawrence River, towing.
G. B. Pattie	20·83	Side-wheel	Composite	272	172	Pembroke	do towing.
	39·46			376	243		

JOHN BURGESS,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 15th September, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

MARITIME PROVINCES DIVISION.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Electra	24·	Screw	Wood	90·40	61·48	Yarmouth, N.S.	Fish boat, coasting Yarmouth County, N.S.
Acadia	21·43	do	do	74·21	66·53	Hantsport, N.S.	Passenger, Windsor to Parrsboro'.
Ralph E. S.	3·33	do	do	27·82	18·92	Mahone Bay, N.S.	Fish boat, round Sambro, N.S.
Willoughby	·83	do	do	6·41	3·87	Mount Stewart, P.E.I.	do Point Prim and Charlottetown, P.E.I.
Lennox	9·63	Paddle	do	66·29	41·76	Dartmouth, N.S.	Passenger, ferry, Lennox Passage and Richmond Co., C.B.
Wm. Aitken	34·66	Screw	do	74·81	51·19	Yarmouth, N.S.	Tug, Prince Edward Island.
Salvor	4·43	do	do	44·93	34·90	Port Medway, N.S	Steam lighter, coast Nova Scotia.
	98·31			384·87	278·65		

DOUGLAS STEVENS,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion up to the 15th September, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and How Employed.
Lennox	.....	.....	Wood ...	66·29	41·76	Dartmouth, N.S	Ferry-boat at Grandique, C.B.
Acadia	.....	.....	do ...	74·21	66·53	Hantsport, N.S.	Windsor and Minas Basin, N.S.

C. R. COKER,

Dominion Inspector of Hulls, &c.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and How Employed.
Amy	0·30	Screw	Wood	Not registered.		Winnipeg, Man.	Red River, pleasure yacht.
Antelope	7·75	Stern-paddle	Steel	120·33	75·81	do	Red River and tributaries, passenger.
Harry Montgomery	0·53	Screw	Wood	3·65	2·49	Selkirk, Man	Red River, pleasure yacht.
Highland Maid	3·33	do	do	106·24	72·95	Fort Frances, Ont	Rat Portage and Fort Frances, passenger.
Ida	2·13	do	do	19·37	13·17	Port Arthur, Ont	Thunder Bay and Black Bay, fishing boat.
Richmond	1·20	do	do	Not registered.		do	Thunder Bay and Lake Superior, fishing boat.
Rover	1·20	do	do	4·07	2·77	Norman Mills, Ont	Rat Portage and Lake of the Woods, tug boat.
Wrigley	4·80	do	do	90·04	60 23	Fort Smith, N.W.T.	Slave River, Big Slave Lake and McKenzie River to Artic Ocean; freight.
	21·24			343·70	227·42		

EDMUND R. ABELL,

Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 5th September, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Red Star	1·5		Wood	14·81	10·00	Victoria, B.C.	Spallumcheen, freight and passenger.
May Queen	1·5		do	14·10	9·18	do	Fraser River, fishing tug.
Nell	6·6		do	209·97	125·47	Georgetown, B.C.	Waters of British Columbia, freight.
Rainbow	24·		do	207·64	147·04	This vessel was the "Teaser," lengthened and renamed.	Waters of British Columbia, freight and passenger.
Mamie			do	89 60	61·00	False Creek, Burrard Inlet	Waters of British Columbia, towing logs for mill.

W. A. RUSSELL,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Red Star	1·5		Wood	14·81	10·00	Victoria, B.C.	Spallumcheen, freight and passenger.
Nell	6·6		do	207·97	125·47	Georgetown, Skeena River	British Columbia waters, freight.
Mamie	8·5		do	89·60	61·00	Vancouver, B.C.	do do towing logs.
May Queen	1·5		do	14·10	9·18	Victoria, B.C.	Fraser River, fishing tug.

R. COLLISTER,
Hull Inspector.

STEAM Vessels Inspected from 15th September to 31st December, 1887.

WEST ONTARIO AND HURON DIVISION—W. J. MENEILLEY, STEAMBOAT INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Ella Alice	40	Oct. 4, 1887	7	5 28	Screw, passenger.
Maud	40	do 5, 1887	18	5 73	do
	80		25	11 01	

WESTERN ONTARIO DIVISION—OLIVER P. ST. JOHN, STEAMBOAT INSPECTOR.

Purvis	.....	Oct. 1, 1888	12·65	5 52	Fishing tug, screw.
Lansdowne	300	do 11, 1888	1570·90	70 84	Paddle, railway-car ferry.
Great Western	300	do 12, 1888	1080·35	51 20	do do
Transfer	278	May 1, 1888	1541·70	69 68	do do
Owen	.....	Oct. 13, 1888	102·84	9 12	Screw, freight, barge.
Advance	.....	do 13, 1888	72·37	7 88	do tug.
Hiawatha	.....	.....	162·62	14 48	do ferry.
	878		4543·43	228 72	

WEST ONTARIO DIVISION—THOS. HARBOTTLE, HULL INSPECTOR.

Edith May	.....	.....	44·88	6 80	Equipment incomplete.
Maud	40	Oct. 4	18·26	5 73	Screw, tug and passenger.
Erin	.....	do 4	512·22	25 48	do freight.
Alla Alice	40	do 15	7·27	5 28	do passenger.
Transfer	278	do 21	1541·70	69 68	Paddle, railroad-car ferry.
Lansdowne	300	do 21	1570·90	70 84	do do
Great Western	300	do 20	1080·33	57 20	do do
Hiawatha	.....	.....	162·62	14 48	Equipment incomplete.
	958		5987·88	255 49	

STEAM Vessels Inspected from 30th September to 31st December, 1887.

EAST ONTARIO DIVISION—EDWARD ADAMS, ENGINE INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Anglo Saxon	.....	July 21, 1888	69·01	7 76	Paddle-wheel, tug.
M. P. Davis	.....	Sept. 30, 1888	11·26	5 44	Screw-wheel, tug.
James A. Walker	.....	do 30, 1888	183·58	12 36	do
			263·85	25 56	

STEAM Vessels not Inspected from 30th September to 31st December, 1887.

EAST ONTARIO DIVISION—EDWARD ADAMS, ENGINE INSPECTOR.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks. Why not Inspected and Class of Vessel.
Utica	52·00	39·00	Not employed; screw, passenger.
Seaborn	9·00	8·00	do do yacht.
Pilgrim	18·64	15·42	do do passenger.
Conqueror	198·73	15·25	do paddle, tug.
Emma Munson	32·63	13·08	do screw do
Ontario	80·11	50·47	do paddle do
Whistle Wing	87 90	70·80	do do do
Marquis of Lorne	20·19	10 59	do screw, yacht.
Pearl	7·70	5·30	do do passenger.
	506·90	227·91	

Total number of vessels, 129.
do gross tonnage of all the vessels, 16,091·25 tons.
do number of vessels inspected, 120.
do gross tonnage of vessels inspected, 15,584·35.
do amount of dues and fees collected on account of inspection .. $1,292 78
do amount of engineers fees collected to 31st December 55 00
$1,347 78

STEAM Vessels Inspected from 15th September to 31st December, 1887.

EASTERN DIVISION—JAMES DICK, HULL INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Eliza Bonner	25	Close naviga.	25	6 04	Ferry, Bellville and Tossmore.
MONTREAL DIVISION—JOHN BURGESS, STEAMBOAT INSPECTOR.					
Aries		Sept. 16, 1888	6·	24 5	Screw, tug.
C. Anderson		do 20, 1888	105·4	20 08	do passenger.
Caribou		do 20, 1888	115·4	60 08	do do
Plover		Oct. 6, 1888	43·1	72 05	do tug.
Aid		do 14, 1888	25·1	0 05	Centre-wheel, tug.
I. K. Ward		do 29, 1888	23·		Screw, tug.
S.S. Bonavista		Nov. 7, 1888	1,306·52	24 08	do passenger, freight.
Irene		do 28, 1888			Yacht.
			1,623·64	200 39	

STEAM Vessels Inspected from 30th September to 31st December, 1887.

QUEBEC DIVISION—JOS. SAMSON, STEAMBOAT INSPECTOR.

Oak Bay		Nov. 30	27	6 08	Side-wheel, tug, River Restigouche
Christianna		do 30	58	7 32	do do
Frances	60	do 25	25	6 00	Side-wheel, ferry, Campbellton and Cross Point.
Maggie Hughes		do 30		5 00	Screw, pleasure yacht, River Restigouche.
Admiral	350	do 25	508	28 32	Side-wheel, passenger, Campbellton and Gaspé.
L. N. G.		do 30	11	5 44	Screw, Quebec Harbor tug.
Amanda		do 30	11	5 44	do do
St. Catherine		do 30	8	5 32	do do
City		do 30	50	7 00	Side-wheel, Quebec and River St. Lawrence
H. C. Curtis		do 30	36	6 44	Screw, Quebec Harbour tug.
Emma		do 30		5 00	Screw, pleasure yacht, Sorel.
Anni Marie		do 25	8	5 32	Screw, pleasure and tug, Lake Aylmer.
			742	92 68	

STEAM Vessels Inspected from 30th September to 31st December, 1887.

QUEBEC AND MONTREAL DIVISION—PIERRE D. BRUNELLE, HULL INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Frances	60	Nov. 25	25	6 00	Side-wheel, ferry, Campbellto and Cross Point.
Admiral	350	do 25	508	28 32	Side-wheel, passenger, Campbel ton and Gaspé.
	410		533	34 32	

MARITIME PROVINCES DIVISION—DOUGLAS STEVENS, STEAMBOAT INSPECTOR.

Evangeline	135	Sept. 6, 1886	78·74	8 16	Twin-screw, ferry passenger.
St. Pierre	60	do 29, 1886	496·44	27 84	Screw, freight and passenger.
Tourist	.....	Oct. 7, 1886	11·78	5 48	do tug.
Dream	.....	do 8, 1886	44·00	6·76	do yacht.
Marguerite (new)	.....	do 14, 1886	19·66	7 00	do do and tug.
Eldon (new)	.....	do 18, 1886	31·32	6 28	do freight.
Secret	300	do 25, 1886	466·56	26 64	do do and passenger.
Delta	12	Nov. 3, 1886	873·91	42 92	do do do
Mascot	.....	Dec. 20, 1886	22·88	5 92	do tug.
Dorcas	.....	do 24, 1886	166·00	14 64	do freight.
	507		2,211·29	151 64	

STEAM Vessels not Inspected from 15th September, 1887, to 31st December, 1887.

MARITIME PROVINCES DIVISION—DOUGLAS STEVENS, STEAMBOAT INSPECTOR.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks. — Why not Inspected and Class of Vessel.
Arrow	10·02	7·92	Not running; yacht and tug.
Dirigo	70·13	47 69	Under repairs; screw, tug.
Andover	185·78	139·98	Laid up; steam, wheel, passenger.
Champion	190·14	119·79	do paddle, tug.
Clyde	592·00	219·00	do do passenger.
Forest Queen	115·22	72 59	do do tug.
Grip	3·00	3·00	do screw, yacht.
George Shattuck	361·64	231 27	do do passenger.
Henry Aitken	38 52	26·20	do do tug.
Islet	5 05	3·44	do do do
John Williams	4·95	3·37	do do yacht and tug.
Laddie	42·16	28 58	do do tug.
Meta	5·00	1·00	do do yacht.
Onangondy	294·75	98·81	do paddle, passenger.
Oscar Wilde	72·00	45·10	do stern-wheel, passenger.
St. Patrick	38·92	25·78	do screw, tug.
St. Louis	4·97	3·38	do do yacht.
St. George	37·53	18·76	do do tug.
St. John	47·28	32·15	do do do
Empress	929·60	660·14	do paddle, passenger.
Glendon	266·58	175·42	do screw, wrecker.
	3315·24	1965·37	

STEAM Vessels Inspected for the Year ended 31st December, 1887.

MARITIME DIVISION—C. R. COKER, DOMINION INSPECTOR OF HULLS, &c.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts.	
Secret	300	Nov. 7, 1888	466·	26 64	Passenger vessel.
Delta	6	Nov. 3, 1888	873·21	42 92	Freight boat, accommodation for six passengers.
			.....	.....	

STEAM Vessels not Inspected for the Year ended 31st December, 1887.

MARITIME DIVISION—C. R. COKER, DOMINION INSPECTOR OF HULLS AND EQUIPMENT.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks. — Why not Inspected and Class of Vessel.
Onangondy	294·75	98·81	Laid up for repairs.
Andover	139·88	.....	Laid up on blocks.
Sarah H	81·46	.....	Used as a tug.
Forest Queen	72·54	.....	do
Wellington	54·54	20·60	Laid up.
Clyde	592·	219·	do
Tourist	11·78	.....	Now used as a tug.
	.....	.....	

STEAM Vessels Inspected for the Year ended 31st December, 1887.

BRITISH COLUMBIA DIVISION—W. A. RUSSELL, STEAMBOAT INSPECTOR

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				$ cts	
Pilot	25	Sept. 16, 1888	183·08	15 32	Tug boat.
Stella	.....	do 21, 1888	16·32	5 64	do
Iris	.....	do 21, 1888	19 32	10 80	$5 not previously collected for special inspection.
Elevator	.....	Oct. 10, 1888	23·46	5 96	Paddle, water tank,
Lilley	.....	do 11, 1888	33·57	6 34	do
Wilna	.....	do 10, 1888	4·04	5 16	Pleasure yacht, brought in from United States.
Falcon	.....	do 17, 1888	52·44	7 12	Tug boat.
Western Slope	.....	do 19, 1888	831·59	41 28	Stern-wheel, freight boat.
Caribou Fly	35	do 24, 1888	230·95	16 84	Twin screw, freight and passenger.
Spratts Ark	.....	do 24, 1888	307·88	20 32	do freight scow.
Maude	45	do 27, 1888	174·99	15 00	Screw, freight and passenger boat.
Richmond	40	Nov. 7, 1888	102·89	12 12	Paddle, freight and passenger.
Spitfire	.....	do 14, 1888	8·	5 32	Screw, tug boat, special inspection
Nellie Taylor	16	do 16, 1888	5 88	5 20	Screw, passenger and ferry, Burrard Inlet.
Glad Tidings	.....	do 15, 1888	43·02	5 00	Mission Boat, special inspection.
			1,211·84	136 14	

BRITISH COLUMBIA DIVISION—R. COLLISTER, HULL INSPECTOR

Pilot	25	Sept. 16, 1888	183·08	15 32	
Alice	20	June 27, 1888	54·10	6 36	
Pearl	20	Mar. 21, 1888	75·27	8 00	
Nellie Taylor	16	Nov. 16, 1888	5·88	5 20	Ferry boat.
Spratts Ark	.....	Oct. 24, 1888	307·88	20 32	
Caribou Fly	35	do 24, 1888	220 95	16 84	
Western Slope	.....	do 19, 1888	831·59	41 28	
Maude	45	do 27, 1888	174·99	15 00	
Mermaid	20	July 22, 1888	66 25	7 64	
Gladys	70	Mar 31, 1888	146 02	5 00	Special inspection.
Mamie	15	July 26, 1888	86·60	8 60	
			2,152·61	149 56	

SUPPLEMENTARY STATEMENT of the Number of Steam Vessels added to the Dominion, from 15th September, 1887, to 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built; and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Anne Marie		Screw	Wood	8·14	5·54	Lake St. Joseph, 1886.	Unfit for passengers on Lake Aylmer.
Lena		do	do	Not registered.		Lake Megantic, 1886	do Lake Megantic.
Minerro		do	Composite	do		Lake Temiscamagne, 1887	do Lake Temiscamagne.
Adirondocke		do	Wood	12·27	8·24	Berthier, 1887.	Screw, passenger, Berthier and Sorel.
E. Davis		do	do	Not registered.		Quyon, 1887	Unfit for passenger, Quyon.
				20·41	13 78		PIERRE D. BRUNELLE, Hull Inspector.
Marguerite	2 13	do	do	19·66	12 30	New York, 1877; rebuilt at New Bedford, 1882.	Eastport and St. Croix River; yacht and tug.
Eldow	2·7	do	do	31 32	14 66	Penette, P E I.	Penette, Orwell, Charlottetown, P.E I.; freight.
Dorcas	79·23	do	do	166·	...	Sackville, N.B	Bay of Fundy; freight.
				216·98	26·96		DOUGLAS STEVENS, Steamboat Inspector.

SUPPLEMENTARY STATEMENT of the Number of Steam Vessels added to the Dominion, from 30th September to 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse-Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Maud	4·33	Screw	Wood	18·26	12·42	Penetanguishene, 1887	Penetanguishene, passenger.
Purvis	1·87	do	do	12·65	8·60	Detroit, U.S., 1887	Duck Island Lighthouse, fishing tug.
	6·20			30·91	21·02		W. J. MENEILLEY, Steamboat Inspector.
James A. Walker	46·	do	do	183·58	98·16	Kingston	Tug on the great lakes.
							EDWARD ADAMS, Engine Inspector.
Anna Maria	1·59	do	do	8·14	5·54	Lake St. Joseph, 1886	Tug on Lake Aylmer.
St. Roch	8·04	do	do	17 70	7·88	St. Roch, Quebec, 1887	Quebec Harbor, tug.
Forrest	4·4	do	do	26 06	17·71	Chicoutimi, 1887	Chicoutimi, pleasure yacht.
Jenette	1·02	do	do	Not registered.		do 1886	do do
Chicoutimi	0·57	do	do	do		do 1887	do do
Lena	3·12	do	do	do		Lake Megantic, rebuilt, '86	Lake Megantic, tug.
Frank	16·08	Stern-wheel	do	·58	·39	Rivière du Loup (*en haut*) 1886.	Towing from Sorel and Rivière du Loup.
Jeannett	1·02	Screw	do	Not registered.		Chicoutimi, 1887	Chicoutimi, pleasure yacht.
Maggie H	2·28	do	do	do		do 1887	do do
							Jos. SAMSON, Steamboat Inspector.

SUPPLEMENTARY STATEMENT of the Number of Steam Vessels added to the Dominion, from 15th September, 1887, to 31st December, 1887, their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where built; and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Wilna	·5	Screw Yacht	Wood	4·04	2·75	Sacramento, California, U.S.	Nanaimo, by manager of colliery.
Falcon	4·8	Screw Tug	do	52·44	35·66	Fraser River, B.C.	Waters of British Columbia, towing.
Richmond	4·8	Paddle Passenger	do	102·89	69·75	North Arm Fraser River, B.C.	North Arm Fraser River and Burrard Inlet, Passenger.
				159·37	108·16		W. A. RUSSELL, Steamboat Inspector.
Falcon	4·8	Screw Tug Boat	do	52·44	35·66	Fraser River	Waters of British Columbia, towing.
Richmond	4·8	Paddle Freight and Passenger.	do	102·89	69·75	do	Fraser River and Vancouver, freight and passenger.
Wilna	·5	Yacht	do	4·04	2·75	California, U.S.	Nanaimo, pleasure yacht.
				159·37	108·16		R. COLLISTER, Hull Inspector.

STATEMENT of Steam Vessels Lost, Broken Up, or Laid Up, as unfit for service, in the Dominion, during the Year ended 31st December, 1887; and where and how Employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISION—W. J. MENEILLEY, STEAMBOAT INSPECTOR, WEST ONTARIO AND HURON.

Name of Vessel.	Where and how Employed.	Name of Vessel.	Where and how Employed.
Albion	Great Lakes, freight.	C. H. Merritt	Chatham and Detroit, passengers.
California	Chicago and Montreal, passengers.	Eliza A. Gibson	Sandwich, yacht.
City of Owen Sound	Collingwood and Duluth, passengers.	Lincoln	Great Lakes, freight.
		Steve A. Lyon	Welland Canal, tug.

MONTREAL DIVISION—JOHN BURGESS, STEAMBOAT INSPECTOR.

Levi Young	Ottawa River, towing.	Rose	Ottawa River, freight.
Raftsman	Caughnawaga and Lachine.		

MONTREAL DIVISION—PIERRE D. BRUNELLE, HULL INSPECTOR.

Raftsman	Side-wheel, ferry, Lachine and Caughnawaga.		

APPENDIX No. 2.

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels, in Canadian waters, and to Canadian Sea-going Vessels in other waters, for the Year 1887.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
Jan. 14	Afton	7	St. John, N.B.	Schooner	84	St. John, N.B., to Portland, Me.	Cranberry Island	Stranding	Gale	.....	Total	1,500
do 3	Arthur	19	Lunenburg	do	28	Port Hood to Margarie.	Margarie Harbor	do	Ice	.....	do	500
April 2	Arianna	15	St. John	do	163	St John to New York	20 miles S.W. of Monhegan, Me.	Filled and abandoned.	Storm	.....	do	2,000
Mar. 30	Alaska	4	Cardiff	do	1387	Cardiff to Philadelphia.	Lat. 38° 5′ 8′, long. 65° 29′.	Struck some submerged object.	.....	.....	Partial.	2,600
May —	Annie J. Marshall.	10	Digby	Bk	1100	New York to Quaco	Atlantic Ocean	Damaged	Gales	.....	do	50
June 3	Anna McGee	8	Yarmouth	Schooner	57	Pubnico to Western Banks.	Musquodobit, Halifax County.	Stranding	Gale	.....	Total	Unknown.
do 14	Alma	20	Christiana	Barque	558	Sydney, C.B., to Quebec.	Lat 49° N., long. 63° 6″ W.	Collision with the Milmerby.	.....	.....	Partial	4,500
July 10	Armenia	12	Italian	Bk	676	Philadelphia to Miramichi.	Portage Island, Miramichi.	Stranding	No pilot	.....	do	6,500
June 9	Acacia	6	Sunderland	Steamer	1150	Maryport to North Sydney.	Schooner Pond Wedges.	do	Fog	...	Total	Unknown.

Aug. 16	Annie Belle....	.....	Boston	Schooner	186	St John to New York	Suspension Bridge St. John.	Bow stove and sunk	Bridge broke...	.....	do ...	3,000 cargo 1,840
June 23	Anna P. Odell	12	St. Andrew's, N.B.	Brigantine...	379	Portland, Me., to Parrsboro, N.S.	Duck Island, near Mount Desert.	Stranding ...	Fog	.....	do ...	Unknown.
July 6	Alice L. M Crowdis.	4	Halifax..	Schooner.....	53	Sydney to Halifax ...	S. W. Breaker, Wedge Isl., N.S.	do ..	do	.....	do ...	1,400
Aug. 5	Ariadne	34	Skein, Nor	Bk	314	Sackville, N.B., to Conway, Wales.	Cumberland Bay...	do ...	Anchor chains parted.	.....	do ...	5,500 cargo 4,000
Sept. 7	A G Blair	4	St. John	Schooner	81	Boston to St. John...	Long Island, S.W. Point.	do ...	Error in judgment on part of mate.	....	do ...	2,500
Nov. 8	Anna Maria....	12	Quebec.....	do ...	67	St Pierre to Quebec.	Black Brook, Victoria, Co., C.B.	do ...	Leak	....	do ...	Unknown.
do 16	Alice May	2	MagdalenIslds	do ...	39	Halifax to Magdalen Islands.	Sandy Hook Shoals	do ...	Wind.	....	do ...	1,170
July 14	Areola	10	St. John.....	Bk.....	947	Falmouth to London.	Blyth Sand, Eng...	do ...	Fog	....	Partial..	19,900
Nov. 29	Annie W. Akers.	7	St. John	Schooner....	124	St. John to Boston...	20 miles east of Portland.	Stranding ...	Carelessness in master.	..	Partial.	450
Aug. 25	Annie Stafford	6	do	Bk.....	1297	Holilo to New York.	Off Cape Hatteras	Damaged....	Hurricane	.....	do ...	17,000
July 30	Alaric	17	Liverpool.....	Brigantine.	210	Boston to Liverpool, N.S.	Seal Island, Bay of Fundy.	Stranding ...	Error in judgment.	....	Total....	5,000
Dec. 29	Bertie Biglow.	10	Yarmouth	Ship..	1142	New York to Shanghai.	Atlantic.....	Spars, &c, lost.	Gales.	.....	Partial..	14,000
Aug. 12	Belle.....	10	Guysboro'.....	Schooner....	31	Pictou to St. Marys...	Entrance, Straits of Canso.	Collision with steamer "Edward Blake."	.....	.....	do ...	110
July 8	Busy William.	11	Halifax.....	do	65	Halifax to Cow Bay, N.S.	Ecum Secum.....	Stranding ...	Sunken reef....	.....	Total.... Partial..	1,000 cargo 800
Oct. 3	Benefactor.....	7	Liverpool, N S	do	034	Cow Bay to Montreal	Montreal.....	Collision with ferry Str. "Longueuil."	.....	....	Trifling	

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
July 2	Bombay	5	London.	Schooner.....	2044	Newcastle to Montreal.	Opposite Longueuil.	Stranding...	Fowling of steerage gear	.....	Slight..	
Oct. 13	Brilliant.....	32	Port Hawkesbury.	do	78	Shediac to St. Pierre	Summerside, P E.I	Burned	Unknown. ...	.....	Total....	Unknown.
Nov. 8	Bachelors.....	17	Yarmouth	Barque.....	655	Buenos Ayres to Yarmouth.	Entrance of Yarmouth Harbor.	Stranding...	Gale	.....	do ...	5,000
do 20	Bessie Simpson	24	St. Andrews...	do	412	....	Harbor Grace, Newfoundland.	Burned	Unknown	.....	do ...	Unknown.
Dec. 28	British Princess.	4	Liverpool, Eng	4 Master.....	2558	Philadelphia to Liverpool.	Atlantic	Shaft broke	Wear and tear	.....	Trifling.	
Oct. 24	Busiris.....	13	St. John	Schooner	249	Point Wolf, N.B., to New York.	Point Wolf, Albert County, N.B.	Stranding...	Tide.	.....	Partial.	3,000
Sept. 12	Billy Simpson.	15	Windsor, N.S	Bk	432	Sandakin to Tientsen	China sea.....	Foundering	Become waterlogged.	.....	Total....	5,000
April 29	Barcelona.....	7	Dundee	Schooner....	1855	Palermo to Montreal	Traverse.....	Stranding...	Proceeded up St. Lawrence before light vessel and buoys were placed.	.....	Partial..	Unknown.
Jan. 25	C. Graham.....	14	Halifax.	do	1175	Bermuda to Halifax.	Dover Castle Rock	Stranded	Unknown	6	Total....	2,500
Mar. 10	C. Y. Gregory	3	St. John	do	88	Providence to St. John.	Dutch Island.....	do	Gale	.....	Partial .	1,000

Mar. 16	Clotilde	14	St. John	Schooner	122	Portland to New York.	Last seen off Boone Island.	Lost.	Gale	5	Total	2,000
Jan. —	Calliope	19	Windsor, N.S.	Barque	1202	London to New York	Atlantic	Strained during voyage.	Gales	1	Partial.	5,000
April 7	O. B. Manning	21	Gloucester, Mass.	Schooner	68	Gloucester, fishing	Entrance of Yarmouth Harbor.	Stranding	Becalmed.		Total	3,880
May 17	Cacouna	3	Montreal	Steamer	920	Sydney to Montreal	Cape Bath	Stove.	Ice		Partial.	3,000
Mar. 25	Christina	12	Halifax	Brigantine	154	Ceinfugos to Boston.	N'r George's Bank	16 stanchions lost.	Gales		do	2,000
May 18	Castledale	4	Liverpool	Schooner.	1532	Sydney to Montreal.	Lat. 46° 18' N; Long. 60° 12' W.	Collision	Ice		do	2,300
July 3	Charles P. Thompson.	21	Gloucester	do	69	Gloucester to Fishing Grounds.	Blonde Rock, N.S.	Stranding	Mistook light.		Total	1,500
June 4	Caspian	17	Glasgow	Steamer	6	Baltimore to Halifax	Off Sambro	Damaged	Struck sunken wreck.		Partial.	2,500
May 17	Clifford.	10	Halifax.	Brigantine	134	Kingston, W.I., to Black River, W.I.	Black River, Jamaica.	Stranding	Hurricane		Total	5,000
June 10	Christina Moore	6	Windsor, N.S.	Schooner	21	San Domingo to New York.	Lat. 35° 39' N.; Long. 73° 59' W.	Foretopgallant mast carried away.	Gale.		Partial.	300
July 28	Cholmley	7	Whitby, G.B.	Brigantine	894	Montreal to Pictou, N.S.	3 miles below Pilgrim Light.	Collision	Pilot		do	3,000
June —	Cathella	20	Montreal	Barque	422	Sydney, C.B., to Montreal.	Off Gaspé.	Foundering.	Stress of weather.		Total	Unknown.
do 18	Cotherstone	7	London	Schooner	1467	Liverpool to Montreal.	River St. Lawrence	Grounded.	Unknown.		Partial.	do
Sept. 7	Cascapedia	6	Liverpool.	Bk.	1924	Sydney, C.B., to Montreal.	4 miles below Sorel	do	Error of pilot			Loss unk'wn
June 6	Constance	3	St. John	Ship	1592	Flushing, Holland, to New York.	18 miles N.W. of St. Catharines Head	Collision with str. "Hecla."			Partial.	400

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. —— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty	Lives Lost.	Total or Partial Loss.	Amount.
												$
Aug. 27	Chignecto	13	Windsor, N.S	Bk.	1032	London to Philadelphia.	Lat. 43° 23' N.; Long 53° 41' W.	Damaged	Hurricane	.....	Partia .	500
June 15	Clifford.....	5	Shelburne	Schooner	88	Halifax to Shelburne	Near Lockeport, N.S.	Stranding ...	Haze.....	....	Total ...	3,500 cargo 3,500
Nov. 26	Coban	5	Montreal	Barge	683	Montreal to Cape Town.	Traverse, St. Lawrence.	Grounded ...	Snow squall...	....	.....	Unknown.
July 24	Clara	20	St. John, N.B.	Schooner	94	Moncton to Portsmouth.	Cape Merangnin, W. County, N.B	Stranding ...	Fog	.....	Partial .	450
Jan. 8	Druid	5	St. John.....	do	101	St John to Boston...	2 miles E. of the Wolves.	Strained.. ...	Heavy weather	.....	do ...	400
May 7	Dracona	3	Dundee	do	1245	Charente to Montreal	Off N. S. coast.....	Hole.....	Ice.....	....	.....	Unknown.
July 19	Dei Gratia.....	16	Youghall.	Brigantine...	296	Cork to St. John	Lat. 41° N., Lon. 59° W.	Masts and gear carried away.	Gale	.....	Partial .	1,600
do 12	Dominique	11	Arichat	do ..	288	Glace Bay to Powce, Port Rico.	Cayenne Reef.....	Stranding ...	Currents	.....	Total ...	7,500 cargo 1,000
Oct. 10	Daisy	19	Halifax.....	Schooner	35	Halifax to Bay of Islands, Nfld.	Cat Harbor, Bras d'Or Lake.	do ...	Water-logged.	....	....	Unknown. cargo 1,000
do 22	Dominion	5	Gaspé.....	do	73	Pabos to Paspebiac.	Bay Chaleur.....	do ...	Gale	.....	Partial .	1,400
Nov. 3	Duchess of Argyle.	13	Liverpool	Ship	1699	San Francisco to Burrard's Inlet, B.C	Vancouver Island, B.C.	do ...	Fog	.....	Total ...	30,000

						Rico.	foundered at sea.					
Jan. 3	Emma	7	Port Hawkesbury.	do	24	Port Hood to Margaree.	Margaree	Stranded	Freshet		Partial.	70
Feb. 28	Evangeline	15	Halifax	Brigantine	142	Mayaquez to Halifax	36° N. Lat, 65° W. Lon.	Port sides damaged.	Gale		do	850
Mar. 31	Elsie Cronan	4	do	do	146	Halifax to Mayaquez	Lat. 41° N., Lon. 64° W.	Foundered	Hurricane		Total	8,000
April 3	Eliza Cook	2	Lunenburg	Schooner	89	Halifax to Hamilton, Bermuda.	N. Lat. 41° 19', W. Lon. 61° 37.'	do	Heavy sea		do	2,500
Jan. 31	Eurydice	23	St John	Ship	1246	Liverpool to St. John, N.B.	Atlantic, during passage.	Straining, causing a leak.	Gales		Partial.	1,100
May 9	Eda	12	Norway	Bk	567	London to Chatham, N.B.	Horse Shoe Bar near Miramichi.	Stranding	Ice		do	4,000
Feb. 18	Evangeline	9	Weymouth, NS	Schooner	95	Yarmouth to Church Point	Mink Cove, St. Mary's Cove, N.S	do	Parted chains.		do	1,000
May 26	Etta Whittemore.	16	New York	Brigantine	390	Belliveau, N.S., to Weymouth, N.S.	St. Mary's Bay, N.S.	Stranding	Gale		Total	1,600 cargo 300
April 25	Edith	5	Lunenburg	Schooner	148	Ponce Porto Rico to Boston.	Lat. 41° 10' N.; long. 68° 39' W.	Foundering	Run into by str. "City of Montreal."		do	5,000
May 9	Eda	12	Hordstern	Barque	567	London to Chatham, N.B.	Horse Shoe Bar, Miramichi.	Stranding	Ice		Partial.	4,000
Aug. 15	Emma May	9	Halifax	Schooner	93	Gwantaname to Halifax.	Fish Keys, Bahamas.	do	Sprang a leak.		Total	3,000 cargo unk'n.
Oct. 16	Easkaro	1	Spanish	do	1396	Havana to Montreal	Montreal Harbor	do	Obstruction in channel.		Partial	Unknown.
do 25	Ella Maud	2	Moncton	do	160	Moncton to Providence.	Hedge Fence Shoal, U.S.	do	Unknown		do	1,000 cargo 200
Nov. 11	Earnest	20	St. John	do	79	Peck's Cove, N.B., to St. John.	2 miles W. Little Salmon River.	do	Gale		Total	700 c'go trifling
Aug. 12	Edward Blake.	5	Shelburne	do	109	Myer's Creek, Labrador, to Halifax.	Straits of Canso	Collision with schr. "Belle."				No damage.

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
Feb. 21	Frank Irwin...	2	St. John's, Nfld	Schooner ...	64	Port Herbert to St. John's, Nfld.	Tom Cod Shoal. ..	Stranding ...	Shoals not on chart.	.....	Total....	Unknown.
May 7	Fleetly.	12	Lunenburg	do ...	95	Halifax to Harbour aux Bouche.	Embrees Cove, Straits of Canso.	do ...	.....	....	Partial..	50
Mar. 26	Flora B.....	4	Parrsboro'	do ...	70	Cornwallis to Boston	Port George, N.S.	do ...	Rudder broke adrift.	...	Total....	2,000
do 22	Finn	—	Norwegian	Barque	451	Tonsberg, N.Y., to Sheet Harbor.	Off Canso	Damaged	Ice	....	Partial..	7,000
June 10	Florence F	6	Windsor.....	Schooner	9.	Jamaica to Halifax...	West Indies.	Stranding ...	Squall	.....	Total	4,500
do 12	Francisca	7	Spanish	Brigantine...	1838	Philadelphia to Miramichi.	Portage Island	do ...	No pilot	.....	Partial..	6,500
Mar. 28	Fidela	19	St. John, N.B.	do ...	450	St. Thomas, W.I., to Buenos Ayres.	Lat 19° N ; long. 46° W.	Leaking	Gales	.....	Total ..	4,000
Aug. 19	Fortuna	40	Fredrekstad ...	Bk....	374	Sarpsborg to Sackville, N.B.	100 miles E.S.E. Liverpool, N.S.	Damaged & condemn'd	Stress of weather.	.....	Partial..	5,000
Nov. 23	Fearnot	7	Lunenburg	Schooner	92	Victoria to Halifax...	Bras d'Or Lake	Touched bottom.	Buoy out of place.	.....	do ...	100
June 24	Frederica	3	St. John	Brigantine...	429	St. John, N.B., to Dundalk, Ireland.	Brien Island	Stranding ...	Fog	.....	do ...	4,500 cargo 900
Jan. 21	Gladys.....	2	Shelburne	Schooner.....	144	New York to Halifax,	Chaggogin Point,	Stranded	Mistook light...	1	Total....	7,000

April 2	G. H. Gordon	12	Charlottetown	Barque	417	St. John to Liverpool, G.B.	Bay of Fundy	Stranded	Gales		Total	Unknown
May 25	Glenrath	8	Leith	Steamer	1109	Coosaw *viâ* Norfolk to Liverpool.	Flat Point, Cape Breton.	Stranding	Fog		Partial	do
July 11	Galena	4	Windsor, N.S.	Schooner	381	Windsor to New York	Off Chatham, Cape Cod.	Collision with the "Stella M. Kenyon."			do	250
Jan. 6	Geo. Davis	10	do	Bk	643	Wilmington to Liverpool.	Near Wilmington, North Carolina.	Grounded	Unknown		do	500
Aug. 6	Grace Greenwood.	9	Shelburne	Schooner	88	Halifax to Cow Bay	County Harbor Ledges, N.S.	Stranding	Thick weather		do	500
Nov. 18	G. J. Wrayton	6 m.	Barrington	do	37	Flaggs Cove to Seal Island.	Near Grand Manan	Foundering.	Squall		Total	2,500
Jan. 18	Henry Battye	10 m	Halifax	do	57	Bank of Islands to Halifax.	Meat Cove, C.B.	Stranding	Snowstorm		do	3,500
Mar. 11	Hartville	8	West Hartlepool.	do	1141	Norfolk, Va., to Liverpool, G.B.	43° 20' lat.; 47° long.	Collision	Ice		Partial	2,000
Feb. 9	Hudson	3	St. John	Ship	1497	Philadelphia to Hiogo, Japan.	Amblan Island	Stranding	A calm		Total	50,000
May 7	Harlsey	8	West Hartlepool.	Schooner	1113	Port Royal to ——	Flat Point Lighthouse.	Collision with ice.	Ice		Partial	1,000
April 2	Harry Mathias	10	Barrington, N.S.	do	40	Barrington to Wood Harbor.	Bear Point, Barrington.	Stranding	Gales		do	25
May 18	Hungaria	3	Newcastle	do	1066	Glace Bay to Montreal.	7 miles N.-E. of Glace Bay.	Collision	Ice		do	2,500
July 7	Herbert	3	Sackville	Brigantine	198	Barbadoes to St John N.B.	Long Island, Digby Co., N.S.	Stranding	Fog		do	2,000
Aug. 27	Highflyer	26	Germany	Barque	1712	New York to Dantzic	Lat. 41° 12' N., lon. 63° 39' W.	Damaged	Hurricane		Serious	Unknown.
do 18	Harald	15	Halifax	do	882	Philadelphia to Dunkirk.		do	Gale		Partial	4,200
Oct. 20	Henrietta	17	Yarmouth	Schooner	34	St. John to Westport, N.S.	Brier Island	Foundering	Not shortening sail at proper time.		Total	800

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
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Sept 27	Harmony	28	Windsor	Schooner.....	102	Cow Bay to Halifax.	Near Lake Advice, N.S.	Stranding ...	Thick weather	.....	Total....	1,000
Nov. 16	Helen May	2	Halifax..	do ...	70	Canso....	Canso Banks, fishing.	Damaged....	Gale	.....	Partial..	350
Dec. 7	Henrietta.	6	Lunenburg.....	do ...	115	Anquilla to Lunenburg.	Lat. 24° 30", long 66° 6".	Foundering.	Stress of weather.	.....	do ...	4,000 cargo 5,000
April 27	Hectanooga....	12	Yarmouth	Ship.	1066	St. John to Sydney...	Lat. 45° 50" N., long. 59° 40" W.	Collision with ice.	High winds....	.. ...	Serious damage.	....
Jan. 7	Isabel	7	Windsor	Barque	1260	New York to Antwerp.	Galloper, Sands, Eng.	Stranding ...	.....	.....	Partial..	4,876
June 2	Icarus...	12	Windsor, N.S..	Brigantine ..	482	Barbadoes to Portland.	Lat 20°, long. 58°..	Damaged	Gale..	.....	do ...	1,500
Oct. 30	Ireland.....	.....	Liverpool, G B	Barque.....	973	St. John, N.B., to Carnarvon	Brier Island.....	Foundered...	Fog and smoke	.....	Total....	15,000
Nov. 16	I. G. C..	8	Halifax.	Schooner....	40	Hawkesbury to Halifax.	Port Hawkesbury..	Collision with schr. Osprey.	....	.....	Partial..	200
do 21	Iona.....	4	St. Johns, Nfld	do ...	79	Harbor Grace to N. Sydney.	Sydney Harbor.....	Stranding ...	Fog	.....	do ...	25,000
Dec. 1	I. Savard	13	Quebec	do ...	138	Burges, N. F., to Georgetown, P.E.I.	50 miles south of St. Paul's Island.	Sprung a leak.	Gale.....	.....	do ...	200
Sept. —	I. A. Washing-	7	Sydney, C.B...	do ...	.....	Gabarous to Halifax.	Beaver Harbor	Stranding ..	Sprung a leak.	.....	Trifling.	.....

Mar. 1	James Watson	7	St. John, N.B.	do ...	97	St. John to New York.	Great Point, Nantucket.	Stranded.....	Gale	1	Total....	2,500
Jan. 3	Joseph Ann....	.....	Port Hawkesbury.	do ...	22	Port Hood to Margaree.	Margaree Harbor..	do ...	Wind.....	.....	Partial.	50
do 22	Josie.	2	Guysborough..	do ...	97	Bay of Islands to Halifax.	Isaac's Harbor	Collision	....	.....	do ...	300
Mar. 30	Joe Read.....	6	Charlottetown	Barque	585	Bordeaux to Summerside.	Canso Reef.	Stranding ...	Gale	.....	Total....	Unknown.
May 7	J. L. Crossley	12	Windsor, N.S..	Schooner.....	170	Gabarous, C. B., to Little Glace Bay.	Glace Bay Shoals.	do ...	Snow storm...	.....	Partial..	1,250
Sept. 17	James Dwyer..	12	Halifax, N.S ..	do ...	99	Aquadella to Halifax	Mud Island, N.S...	do ...	Currents, and incompetency of crew.	.....	do ...	700 cargo 3,500
Nov. 4	John T. Ives..	11	Port Hawkesbury.	Brigantine...	358	Whycocomagh to Guysboro'.	Keating's Point, Guysboro' Harbor.	Stranding ...	Unknown	.....	No loss..	.....
Sept. 23	Journal	10	Charlottetown.	Barque	349	Port of Spain to Philadelphia.	Danish West Indies	Burning	do	.....	Total....	20,000
Nov. 19	Jane White....	10	Halifax..	Schooner....	39	Economy, N. S. to St. John, N.B.	Partridge Island...	Stranding ...	Gale	....	do	800 cargo 316
Sept. 2	John Mann	20	Windsor, N.S..	Ship	1043	Rotterdam to New York.	Lat. 47° 27'; long. 16° 21'.	Foundering.	Leak	.....	do	10,000
Nov. 5	Kate E. Stuart	17	Halifax.....	Schooner....	54	Liscomb to Halifax.	Ecum Secum, Halifax.	Stranding ...	A rock	.....	Partial .	400
Jan. 3	Lotus	13	Windsor, N.S..	Barque.....	462	Fowey, Eng. to New York.	Long Island	do ...	Thick fog.....	....	Total....	13,000
April 19	L. B. Young...	2	Lunenburg.....	Schooner....	100	Jamaica to Lunenburg.	Lat. 35° 21'; long. 69°.	Leaking and unmanageable.	Lurched	.....	Partial..	5,000
do 4	Levuka	3	Windsor	Barque.....	1426	London to New York	Near Sandy Hook, New York.	Stranded.....	Fog.	.....	do ..	6,000
do 5	Laura	11	Maitland.....	Brigantine ..	457	Fowey to New York.	Atlantic	Abandoned..	.....	....	Total....	Unknown.
May 25	Lyra	4	St John	Schooner....	99	Eastport to Apple River.	Thomas Head.....	Stranding ...	Fog	....	Partial..	1,000

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
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May 5	Laura Belle....	21	Halifax.	Schooner....	74	Halifax to North Sydney.	Between St. Esprit and Point Miscou.	Sunk.....	Ice	.....	Total ...	Unknown.
June 25	Lyna....	38	Christina	Barque.	376	Shediac, N.B. to Sharpness, Eng.	East Point of Middle Bay, Labrador.	Stranding ...	Fog	....	do	4,000 cargo 4,000
uly 19	Lillian Baxter	4	Gloucester, N S	Schooner.....	91	Gloucester to Grand Bank.	Off Canso..... ...	Damaged.....	High winds.....	.....	Partial..	75
Aug. 26	Lilian.....	5	St. John, N.B.	Ship..	1126	Rotterdam to New York.	Lat. 43° 50'; long. 58°.	Abandoned..	Hurricane	.....	Total....	10,000 cargo 14,000
do 30	Lizzie Perry...	10	Yarmouth	Barque..... .	1122	Ship Island to Buenos Ayres.	Near Ship Island...	Struck.....	Sunken wreck	.....	Partial .	6,000
Nov. 16	Lothair.	17	Sydney.....	do	481	Newfoundland to Cow Bay.	Cow Bay	Stranding ...	Storm	.....	Total....	12,000
do 16	Lalia	20	St. John	do	396	Lunenburg to Porto Rico.	Supposed to have foundered at Sea	.....	Gale.	7	do	3,000
do 19	Laura Brown ..	7	Parrsboro'.....	Schooner.....	94	Parrsboro' to St. John.	Partridge Island...	Stranded	Bad weather...	.....	Partial..	1,700
May 24	Lizzie Lee	19	Lemoine, Me...	Schooner	87	Bar Harbor, fishing..	Seal Island	Stranding ...	Currents..	.....	Partial..	300 cargo 250
Aug. 26	Leonka	3	Windsor, N.S.	Barque	1726	Antwerp to New York.	Lat. 43° 17' N.; long 56° 49' W.	Damaged	Hurricane	.....	do ...	250
do 26	Lochiel	17	Halifax	Brigantine ..	107	Halifax to Kingston, Jamaica.	75 miles from Halifax.	Dismasted ...	do	.....	do ...	2,000

Feb. 7	Mabel Howard	5	Barrington	Schooner	143	Nassau to Halifax....	Lat. 25° 40' N.; long. 73° 30' W.	Stranded	Gales	.....	do ...	2,000
Jan. 13	Mary Ann	27	Halifax	do ...	66	Sydney to Halifax ...	Bass Rock.....	do ...	Chains parted.	....	Total ...	400
April 1	Mexico	5	San Francisco	Steamship ..	1340	Nanaimo to Port Townsend.	Gulf of Georgia....	do ...	Bad steering...	.....	Partial..	Unknown.
Mar. 21	Moss Glen	8	St. John	Barque.	893	At Bahia, loading....	Bahia, Brazil.	do ...	Heavy squalls	.....	Total	15,000 cargo 9,120
May 31	Mary Jane.....	7	Charlottetown	Schooner	55	Halifax to Ingonish.	Big Bras d'Or.	do ...	Unknown.	.....	Partial..	400
do 6	Mizpah.	14	Yarmouth	Barque.	898	Philadelphia to Quebec.	Simon's Point, C.B	Damaged.....	Fog	.....	do ...	800
June 24	Margaret Mary	14	Charlottetown	Schooner. ...	46	St. Peter's to Crapaud.	St. Peter's Inlet	Sprung a leak.	Unknown.	....	do ...	100
....	Maple Leaf ...	6	Toronto	do ...	48	At Port of Toronto..	Toronto	Burning	Caught from wharf.	.....	Total	Unknown.
May 26	Mizpah	14	Yarmouth	Barque	898	Philadelphia to Quebec.	Simon's Point, C.B	Stranding ...	Strong currents.	.....	do ...	10,000
July 10	Merrimack.....	23	American.....	Steamer	1119	Halifax to Boston	Little Hope Island	do ...	Fog...	.....	do ...	150,000
do 15	Margaret L. ...	2	Sydney, C.B...	Schooner	169	North Sydney to Portsmouth.	8 miles S. by E. of Liscomb Light, N.S	Jibboom carried away.	Squall.....	.....	Partial..	100
May 27	Maud & Bessie	15	St. John	do ...	75	McFarlane's Creek to St. John.	Dover, W. Co., N B.	Caught on the Bank.	Stranding	....	do ...	1,000
Mar. 16	Mary Agnes ...	12	Halifax	Barkentine ..	341	Ponce Porto Rico to Boston.	Lat. 35° 27' N.; long. 68° 10' W.	Rigging, masts and deck carried away.	Gale	....	do ...	6,500
Jan. 1	Muskoka	11	St. John, N.B..	Ship.....	1399	Java to Queenstown Island.	Unknown.	Missing.....	Unknown	All.	Total	26,000 c'go 92,500
Sept. 3	Martha N. Hall	15	Boston, U. S...	Schooner	579	Boston to Glace Bay	Soldier's Ledge, N. S.	Stranding ...	Error in compass.	.....	Partial..	2,500
Oct. 21	Maggie A. Jewell.	4	Charlottetown	do	68	Glace Bay to Rustico.	2 miles from St. Peter's, P.E.I.	Damaged.....	Gale	.....	do ...	150

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
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.....	Marianne Nettebohm.	20	American	Ship.....	1117	Philadelphia to Rotterdam.	North Atlantic.....	Damaged ...	Gale	...	Partial .	3,000
Nov. 8	Magellan Cloud.	8	Shelburne	Schooner	89	Georgetown to Boston.	Pt. Hawkesbury...	Collision.....	Wind.....	.....	do ...	70
do 11	Minnie N.....	11	St John.....	do	57	Hillsboro to St. John	Quaco Rock	Damaged.....	do	....	do ...	150
Dec. 5	Minnie D..	new	Shelburne	do	76	Jeddore to Halifax...	2 miles of Shut-In Island.	Capsized	Squall	.....	do ...	200 cargo 300
do 13	Maggie L.....	14	St. John	do	92	St. John to Rockland.	Machias, Maine.....	Stranding ...	Gale	....	Total.....	1,500
Feb. 8	Nimbus.....	8	Windsor	Barque.....	1222	Loading in the Thames for New York.	London	Collision.....	Run into by a steamer.	.....	Partial..	10,000
Jan. 10	Natalie	9	Halifax.....	Brigantine...	199	Glace Bay to Ponce, P. R.	20 miles W. N. W. of Sable Island.	Sprung a leak	Severe storm...	.....	do ...	90
July 26	Norfolk.....	7	Liverpool, Eng	Schooner	1158	Barrow in Furness to St John.	St. John harbor.....	Stranding ...	Fog	.....	do ...	3,500
June 14	Neva.....	12	Halifax..	do	190	St. John's, Nfld., to Bayfield, N. S.	Lat. 45° 53′, long 58° 56′.	Damaged.....	Sudden pitch of sea.	.....	do ...	Unknown.
May 27	Ocean King....	9	Glasgow.....	do	1606	London to Montreal.	Richelieu Rapids...	Leaking	.....	.....	do ...	do
do 18	Ocean Bride...	.....	Halifax.....	do	40	Liverpool to Little Glace Bay.	Shoals S. of Little Glace Bay.	Stranding ...	Thick weather	.....	do ...	400
Sept. 2	Orquell	9	Pictou.....	Barque.....	729	Barrow in Furness to Perth Amboy, N. Y.	Lat. 49° 30′ N, Long. 20° W.	Abandoned..	Stress of weather	.....	Total....	19,000 cargo 1,250

May 8	Paola	5	West Hartlepool.	Schooner	667	New York to Sydney.	3 miles from Guyon Island.	Starboard bow stove.	Gale		Partial	3,150	
Jan. 26	Pohona	6½	Chatham, N.B.	Barque	796	Liverpool to Savannah.	Savannah River	Collision	Error in steering.		Total	20,000	
June 3	Portland	11	Annapolis	Schooner	68	Boston to Pictou	Mud Island	Stranding	Fog		Partial	400	
April 15	Pouyer Quartier.		French	Steamer	1385	London to Canso	Off Canso	Damaged	Ice		do	10,000	
July 14	Phenora	13	Pictou, N.S.	Schooner	36	Pt. Mulgrave to Pictou, N.S.	Off Merigonish Harbor.	Main sails carried away.	Gale		do	150	
Sept. 3	Parthia	13	St. John, N.B.	Ship	1528	London to New York	Lat. 44° N.; long. 18° W.	Strained and leaking.	Gales		Total	25,000	
do 17	Peeress	28	North Shields.	Barque	739	Quebec to Newcastle-on-Tyne.	50 miles E. of Cape Gaspé.	Collision with H M S. "Canada."			Partial	9,664	
Oct. 13	Petrel	19	Windsor, N.S.	Schooner	12	Advocate to Parrsboro'.	McLaughlin's Head	Stranding	Struck		Total	100 cargo 60	
Sept. 20	Plutos	19	Norwegian	Barque	426	Bathurst to Glasgow	Lat. 44° 54' N.; long. 42° 26' W.	Straining	Tremendous seas.		do	2,500 cargo 3,600	
June 20	Queen of the Fleet.	11	Dorchester	do	941	Boston to Buenos Ayres.	Soldier's Ledge	Stranding	Tide		Partial	4,000	
Aug. 7	Quickstep	10	Liverpool, N.S	Schooner	28	Liverpool, N.S., to Glace Bay.	St. Peter's Bay	do	Darkness		do	25	
Feb. 26	Rustler	3	Victoria	do	26	Victoria to ——	W. coast of Vancouver.	Foundering.	Gale		Total	Unknown. cargo 2,500	
May 25	R. G. Moran	10	St. John	do	119	New York to St. John, N.B.	W. side Long Island, U.S.	Stranding	Fog		do	1,500	
June 24	Rapid	11	St. John, N.B.	Brigantine	325	Philadelphia to St. John.	Manawagonish Islands.	do	do		Partial	1,500	
July 25	Romo	14	Halifax	Barque	499	New York to Yarmouth.	Nantucket Shoals	do	do		Total	11,000 cargo 5,800	
May —	Rosemary		Newfoundland	Schooner	94	Newfoundland to North Sydney.	Atlantic	Collision with ice.			Partial	450	

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
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Aug. 25	Reporter.....	32	Moncton, N.B.	Schooner ...	149	Hillsboro', N.B., to Boston, Mass.	5 miles N. of Lepreaux Light.	Leaking.....	Gale	.....	Partial..	1,000 cargo 100
Nov. 25	Rustic.....	20	Charlottetown	do ...	66	Baddeck to Little Glace Bay.	Table Point, C B...	Stranding ...	Tide	.....	do ...	250
Dec. 1	Riberia.....	14	St. John.....	Brigantine...	289	St. John to New York.	Sandy Neck, Mass.	do ...	Thick weather	....	Total ...	3,600 cargo 712
May 31	Roma	4	Hamburg.....	Schooner. ...	1468	Montreal to Antwerp	Peter Reef, C.B.....	do ...	Fog	....	.....	No damage.
Jan. 3	Spartan.....	1¾	Port Medway.	Schooner....	98	New York to Port Medway.	Seaconnet Point-...	Stranded....	Squall	.....	Partial.	600
do 17	Sappho.....	18	Halifax.....	Brigantine...	156	Halifax to Demerara.	34° 40' N. lat.; 56° 40' N. long.	Hull strain'd and leaking	Wear and tear	.....	Total ...	4,000
Mar. 25	Sokoto	12	Yarmouth	Barque	958	Philadelphia to Palermo.	Off the Capes of the Delaware.	Foundered...	Unknown.....	....	do ...	15,000
April 13	S. G. Morton...	4	Halifax.....	Schooner	44	Shut-in-Harbor to Halifax.	Key Island.....	Stranding ...	Drifted ashore	.....	do ...	2,000
May 19	Secret	23	St. Johns, Nfld	do ...	293	Digby to St. John...	Cape Mispee, St. John Co., N.B.	Stranding ...	Fog	.....	Partial..	4,500
June 22	Scotia.....	21	Halifax.....	do ...	44	Summerside to Halifax.	1½ miles off Cape George.	Fore mast broken.	Squall	.....	do ...	100
April —	Souvenir.....	3	do	do ...	82	St. Johns, Nfld., to	20 miles S. E. of	Seen on her	....	.....	Total ...	4,000

											Total ...	4,000
May —	St. Pierre.....	3	Yarmouth	do ...	275	Halifax to North Sydney.	St. Peter's Bay	Collision.....	Ice	.....	Partial..	500
Feb. 1	Salisbury.....	9	St. John.....	Brigantine..	349	Glasgow to St. John, N.B.	Atlantic.....	Leak and damaged.	Gales	....	do ...	1,800
Sept. 25	Suez.....	17	Stockholm	Barque	591	Brehamlaven to Matane, Que.	Island of Anticosti.	Stranding ...	Currents	.....	Total ...	8,000
Oct. 22	Sunbeam.....	2	St. Johns, Nfld	Schooner	69	Port Philip to St. Pierre	Pugwash Harbor, N.S.	Burned	Unknown.....	.....	do ...	4,000
do 25 to Nov. 2	S. J. Musson	9	Halifax.....	Brigantine..	178	Jamaica to Halifax...	Different places during voyage.	Damaged.....	Stress of weather.	.....	Partial..	1,000
Oct. 22	Scotia.....	14	Glasgow	Schooner....	835	New York to Dunkirk.	N. lat. 41° 14'; W. long. 61° 54° 35'.	Engine room floor washed away.	Gale	.....	do ...	3,500
Dec. 4	Scotia.....	14	do	do ...	835	New York to Dunkirk.	N. lat. 44° 49'; W long. 55° 35'.	Machinery damaged.	Old age.....	.....	do ...	Unknown.
April 28	Tiber	41	Halifax.....	do ...	60	Arichat to Cow Bay.	Isle Madam.....	Stranded	Ice.....	.....	Total ...	1,500
do 4	Topaz	4	do	do ...	104	Port La Tour to Halifax.	Port La Tour.....	Hole in bottom.	Anchor broke.	.....	Partial..	1,000
May 6	Tiber.....	41	do	do ...	60	Halifax to Cow Bay..	Rocky Bay, C.B....	Driven on shore.	Heavy Sea	.....	Total ...	1,200
July 19	Thetis.....	1	Gloucester	Schooner	91	Tignish, P.E.I., to Gloucester.	Merimichi Bay.....	Stranding ...	Stood in for main land.	1	Partial.	100
Aug. 5	Thetis.....	1	do	do	91	Malpeque to Gloucester.	Cascumpec Bar, P.E.I.	do ...	Shoal water ...	1	do ...	100
June 12	Unexpected....	4	Windsor	do	117	Walton to Demerara	Pinckney's Point, near Yarmouth.	do ...	Fog	1	do ...	2,000
Jan. 4	Village Belle..	9	Shelburne	do	40	Pubnico to Halifax .	Michael Rock.....	Stranded.....	Hawser parted	....	Total....	900
Mar. 5	Viola	19	Liverpool	Barque	595	London to Esquimalt	Esquimalt, near Vancouver.	do	Gale	.....	Partial .	Unknown.
do 27	Vendome.....	5	Yarmouth	Ship	1550	New York to Amsterdam.	Off Rotterdam.....	Burning	Unknown	.....	Total ...	40,000

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
Nov. 13	Vikar	12	Hangesund	Barque	843	Honolulu to Royal Roads.	Straits of Juan de Fuca, B.C.	Stranded	Thick weather	.....	Partial.	6,000
April 21	Willie A.	6	Yarmouth	Schooner....	70	Bridgewater to St. Pierre.	Cape Canso, St. Andrews Channel.	Stranding ..	Ice	.....	do ...	2,150
Jan. —	Wolfe	13	Halifax.	Barque	948	Barbadoes to Havanna.	Mouth River De La Plate.	Damaged....	Gales	.....	do ...	3,500
Aug. 25	Winnie.	17	Charlottet'wn	Schooner	37	Cow Bay.....	Flying Pan, Canso	Foundering.	Leak.	....	Total ...	500 cargo 100
Oct. 15	William Albert.	7	Magdalen Islands.	do	41	Quebec to Magdalen Islands.	Magdalen Islands..	Stranding ...	Gale	.....	Partial .	.....
May 13	Wellington.....	22	Windsor.....	Barque	1005	Pensacola to Liverpool.	Lat. 49° 15', Lon. 29° 10'.	Foundering.	Became waterlogged	.....	Total ...	17,500 cargo10,000
Nov. 9	West Cumberland.	9	Maryport, Eng	Schooner....	1387	Pictou to Montreal...	Grondine	Took ground	Sleeping pilot.	.....	Partial .	Unknown.
Aug. —	Yosemite	.....	Victoria	Steamer	1054	Victoria to Vancouver.	Darcy Island	Broken rudder.	Fog	.....	do ...	do

SUPPLEMENT to the Statement of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels, during the Calendar Year of 1886.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
.....	Atlanta	19	Quebec	Barque	593	Buenos Ayres to Barbadoes.	Near Rio Janeiro .	Stranding...	Leaking, and beached.	...	Total....	8,000
Mar. 26	A.I.J. Mallock	30	St. Andrew's..	Schooner	21	Unknown.....	White Horse Island	do ...	Unknown.....	.....	do ...	Unknown.
Nov. 9	Adria	23	Digby	do ...	118	Weymouth to Boston	Fox Island, Me	do ...	Heavy sea.....	.....	Partial..	600
1883. Nov. 23	Abyssinia	1½	St. John, N.B.	Bk.	1126	New York to Bombay.	Near Block Island, L.I., N.Y.	Struck	Sunken wreck	.....	do ...	8,000
Dec. 23	Albion.....	10	Barrington	Brigantine...	171	Demerara to Aricabo	Fredricksted, W.I.	Stranding ...	Darkness	.....	Unkn'n.	Unknown.
do 9	Adelene	1	St. John, N.B.	Schooner	192	St. John to New York.	Alden's Rock, near Portland, Me.	do ...	Too far from buoy.	.....	Partial .	1,200
Nov. 28	Beaconsfield...	9	Pictou, N.S	Barque	672	Liverpool, Eng., to Norfolk, Va.	English Channel...	Collision. ...	Unknown steamer.	.....	do ...	7,000
Dec. 1	Blanche	4	Windsor, N.S .	Schooner	220	Windsor, N.S., to Richmond, N.S.	Between New York and Hatteras.	Poop stove. .	Gale	.....	do ...	1,200
do 2	Busiris	12	St. John, N.B.	do ...	248	St. John to New York.	Plumper Head	Three holes knocked in her side.	Squall	.....	do ...	2,700
April 8	Blythe	19	Digby	do ...	81	Belleveau's Cove to Boston.	Little Pond Bar, near Boston.	Stranding..	Compass	.....	do ...	250
June —	City of St. John	16	Gaspé, Que.....	Steamer	446	Yarmouth to Halifax	Near Lockeport, N.S.	Cracked shaft.	Unknown.....	.....	do ...	500
Nov. 15	Canada	50	Christiana.....	Bk.	524	Mediterranean to St. Etienne.	Métis.	Dragged anchor.	Gale	.....	do ...	Unknown.

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
.....	Christina Moore.	6	Windsor, N.S..	Schooner....	216	Windsor, N.S, to New York.	Lloyd's Neck, U.S.	Stranded	Squall	... ..	Partial.	1,200
Nov. 13	Dauntless	16	Quebec.	Tug Steamer	35	Quebec to Crane Island.	Off Crane Island, Riv. St. Lawrence	Collision.....	Engine broken down.	....	do ...	150
1885. June 5	Earl Dufferin...	11	St. John, N.B.	Schooner....	110	Sydney to Newfoundland.	Bras d'Or Lake, C.B.	Stranding ...	Wheelman.....	.....	do ...	450
Mar. 8	Eliza A. Kenney.	20	St. John.....	Ship.....	1060	New York to Rouen.	Lat. 45°, Lon. 41°.	Abandoned..	Became unmanageable.	.....	Total....	20,000
Dec. 4	Emma Proctor	5	Port Hawkesbury.	Schooner....	40	Port Malcolm, N.S., to Halifax.	Off Owl's Head.....	Lost sails & spars.	Gales	.....	Partial..	200
Sept. 15	Elcy Elvy.....	4	Halifax	Schooner.....	18	Sand Harbor to Lunenburg.	Ginlet Reef.....	Stranding ...	Storm.....	.....	Total....	600
Oct 9	Emerald.....	.....	Charlottetown	do ...	7	Charlottetown to NewLondon, P.E I	Near West Point Reef, P.E I.	do ...	Gale.....	.....	do ...	Unknown.
Nov. 28	Forest Queen..	33	Kingston..	do	137	Cobourg to Belleville	Near Indian Point, Ont.	do ...	Snow storm....	.....	do ...	1,000
Oct. 19	Georgie Harold.	2	Barrington, NS	do	93	Halifax, N S, to Grand River, P.E.I	Annandale, P.E.I..	Struck bar and sank	Pilots error in judgment.	.....	Partial..	600
.....	Henry's	19	Quebec.....	Brig.....	307	Quebec to Southampton.	Atlantic	Abandoned..	Heavy sea.....	.....	Total ...	5,000
Dec. 15	Hattie H.....	15	Windsor, N.S..	Barkentine .	403	Halifax to Windsor..	Between New York and Halifax.	Blown off her course	Heavy weather.	.....	....	No damage.

Nov. 13	Isabella Blyth.	40	Norway	Bark	633	Quebec to Buenos Ayres.	Crane Island, Riv. St. Lawrence.	Stranding ...	Dragged anchors.	.....	Partial..	Unknown.
.....	Ironsides.....	18	Quebec..	do	510	Fernandina to River Platte.	Near Montevido, South America.	Wrecked.. ...	Loss of rudder	.... .	Total ...	6,000
Aug 23	Isabel	3	Charlottetown	Bark	749	Monte Video to European Ports.	Peru.	Burning	Unknown.	.....	do ...	5,500
Oct. 30	Jumbo.....	5	St. John, N.B..	Barkentine...	346	Sligo to New York...	Lat. 56° N.; long. 18° 41' W.	Damaged....	Suddencahnge of wind.	.....	Partial .	1,800
July 25	John Black.....	14	do ...	Bark	545	Brunswick, Ga., to Buenos Ayres.	Brunswick Bar.....	Stranding ...	Pilot	.....	do ...	Unknown.
Nov. 27	John Gibson...	11	Sidney, C.B...	Brigantine...	314	Pensacola to Rosario	Florida Reef	do ...	Bad weather...	.....	Total ...	10,000
May ...	Kate C. Maguire.	19	Quebec.....	Ship..	1492	New York to Quebec	Near Sheet Harbor, N.S.	do ...	Unknown	.....	Partial..	10,000
Dec. 11	Kryolith	7	Parrsboro'.....	Bark..	279	Philadelphia to Tralle Island.	Lat. 49° 30' N.; long. 16° 32' W.	Foundered..	do	.....	.....	Unknown.
do 9	Louise M. Fuller.	new	Yarmouth	Ship	1718	New York to Liverpool.	Atlantic	Foundering	Leaking.....	.....	Total ...	60,000
Oct. 9	Lake Huron ...	5	Liverpool.....	Schooner.....	264	Quebec to Liverpool	Port St. Valier.....	Stranding ...	Mistook length of reef.	....	Partial .	Unknown.
Dec. 26	Lottie B	5	St. John, N.B.	do	88	St. John to Providence, R.I.	Nash Island.....	do ...	Error in judgment.	.....	do ...	300
Dec. 1 1885.	Lynton.....	11	St. Andrews...	Barque	765	At Colon	.....	Capsized.....	Gale.....	.....	Total ...	Unknown.
Dec. 25	Light Foot.....	32	Barrington	Schooner.....	56	Halifax to Barrington	Clark's Harbor Reef.	Stranding ...	do	.....	do ..	do cargo 50
Feb —	Lairg.....	9	Halifax.....	do ...	100	Boston to Halifax.....	Atlantic.....	Lost.....	Unknown.....	All.	do ...	3,000
Nov. 23	Maggie Willet	8	St. John.....	do ...	148	New York to St Pierre.	Liverpool, N.S.....	Stranding ...	Thick weather	.....	Partial.. do ...	3,500 cargo 3,000
Dec. 28	Minnie.....	7	St. Johns, Nfld	do ...	40	Georgetown, P.E.I., to Cape Broyle.	Bras d'Or Lake, C.B.	do ...	Bad steering...	1	Total ...	800 Unknown.
Nov. 8	M. & L. White	19	Yarmouth	do ...	36	Parrsboro', N.S., to Hantsport, N.S.	Minas Basin.....	Foundered...	.....	.....	Total loss.	do

STATEMENT of Wrecks and Casualties to Sea-going Vessels—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
1885.												$
Dec. 20	Mary L. Dunn	5	St. John, N.B.	Schooner	179	Surinam to Boston, Mass.	St. John Island, near St. Thomas.	Stranding ...	Misstaying.....	.....	Total ...	6,500
do 3	Mizpah	13	Yarmouth	Barque	898	Dunkirk to Philadelphia.	Lat. 48° N., long 7° W.	Strained and leaking.	Gales	....	Partial..	3,000
Jan. 1	Mary Theall...	11	Windsor, N.S..	Schooner.....	97	Boston to Parrsboro'	Jones Port, Maine, U.S.	Stranding ...	Strained	..	Total ...	800
Nov. 1	Nyanza.	8	Liverpool, N.S.	Brig	239	Cardiff, Wales, to Vera Cruz	Cocineres Reef, Cuba.	Struck reef.	Currents	... .	do ... do ...	8,500 cargo 1,000
Dec. 2	Navarch	9	Yarmouth	Bk.....	994	New York to Liverpool, G.B.	Roma Shoal, N. Y. Bay.	Stranding ...	Unknown.	.....	Partial..	Unknown.
Aug. 7	Navassa	8	Parrsboro', N.S.	Schooner.....	147	Hawey, N.B., to New York.	Crabmedow Creek, Island Sound, U.S.	do ...	Thick storm....	....	do ...	600
Nov. 18	Orquell.	7	Pictou, N.S....	Barque.....	729	Liverpool to Sydney, C.B.	49° 50' N., 8° 20' W.	Loss of metal sheathing and fire in cabin.	Stress of weather.	.....	do ...	2,260
Dec. 22	Pearl.	5	Windsor, N.S..	Schooner.....	163	Maracaibo, W.I., to New York.	Lat 15° 20', long. 79°.	Bob-stays carried away.	Gale.....	.....	do ...	464
Aug. 15	Prize	3	Lunenburg	do ...	93	Lunenburg to Fishing Grounds.	Entrance of Lunenburg Harbor.	Stranding ...	Hove ashore by swell.	.....	Total ...	4,000 cargo 3,000
April 8	Quebec.....	19	Windsor, N.S..	Bk	1454	Antwerp to New York.	Near Sandy Hook, N. Y. Bay.	Collision.....	Unknown.	....	Partial..	2,000

Dec.	3	Republic	16	Yarmouth	Ship.....	843	Philadelphia to Dunkirk.	Off Dunkirk.....	Stranded.....	Gale.....	.....	Total ...	8,000
do	16	Rough Diamond.	12	St. John, N.B..	Schooner	71	Little Salmon River to St. John, N.B.	Last seen a little below Quaco.	Lost.....	do	4	do ...	600
Jan.	18	Sea Bird	.....	St. John	Schooner. ...	8	St. John to Lepreaux.	Near Musquash, N.B.	Unknown ...	Snow storm....	3	Total....	200 cargo 150
July	5	Sunshine..	22	Skien, Norway	Bk.....	462	Plymouth to Quebec	St. Lawrence River	Leak.....	.....	.....	No damage.	
Dec.	23	Serrano.....	10	St. John, N.B.	Bk.....	594	Bilbao to New York.	Atlantic	Main hatch, stove, lost sails and boats.	Gales	.....	Partial..	700
do	5	Sea Slipper....	28	Halifax.....	Schooner.....	55	Halifax to Shelburne	Lunenburg Harbor	Stranded.....	Snow storm ...	.....	Total....	Unknown.
Nov.	25	Toronto	10	Windsor, N.S	Brigantine...	433	Sydney, C.B., to New York.	Watch Hill, R.I....	Stranding...	Heavy wind....	.....	do ...	5,000
May	20	Thomas N. Hart.	6	Yarmouth	Ship.	1460	New York to Shanghai.	Unknown.....	Has not been heard from since May 20.	Unknown.....	.....	do ...	50,000
Dec.	16	Viola.....	4	St. Andrews...	Schooner	55	Unknown.	Bay of Fundy.....	Capsized.....	Squall.....	....	do ...	Unknown.
Nov.	22	Valiant.....	6	Lunenburg.....	do	88	Summerside to Boston.	Blonde Rock.....	Stranding ...	Mistaken as to buoys.	.....	Partial .	250 cargo 500
Dec.	2	William Wallace	12	Parrsboro'.....	do	61	Port George, N S., to Sackville, N.B.	Polly's Cove.....	Stranded.....	Dragged ashore.	.....	do ...	50
do	26	Welcome	14	Halifax..... ..	do	32	French Village to Halifax.	French Village. Halifax Co., N.S	Stranding ...	Cables parted..	.....	Total...	500
Sept.	28	Zanoni.....	14	St. Johns, Nfld	Brigantine...	244	St. Johns to North Sydney.	Gulf of St. Lawrence.	Damaged.....	Gale.....	....	Partial .	1,400

STATEMENT of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada, for the Year 1887.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
July 23	Algerian	10	Montreal	Paddle	43	Toronto to Montreal.	St. Lambert Flats.	Struck	Crowded by a steamer.	....	Partial	300
Oct. 3	Albion	11	St. Catharines	Barge	250	French River to Tonanada.	Between Grindstone City and Pt. Austin.	Stranding	Struck rocky bottom.	.....	Total	Unknown.
do 24	Ark	12	do	Barge	520	Buffalo to Cleveland	Tust Point, east of Port Colborne.	Stranding	Cast adrift by "Enterprise"	.....	No damage.	.....
May 8	Bohemian	23	Montreal	Paddle	.....	Montreal to Cornwall	Lachine Canal	Collision	Not given	.....	Partial	50
Oct. 28	Bessie Barwick	21	St. Catharines	Schooner	273	Nipegon Bay to Kingston, Ont.	Lake Superior	Sprung a leak.	Heavy sea	.....	Total	6,000
May 18	Canada	20	Montreal	Paddle	116	Montreal to Quebec	Several miles below Sorel.	Broken shaft	Wind and tide.	....	Partial	500
Sept. 7	Corinthian	23	Kingston	Steamer	615	Toronto to Montreal.	Lachine	Ran into breakwater	No light on wharf.	.....	do	300
Oct. 22	C. O. D	.....	American	Schooner	....	.....	3 miles east of Port Burwell.	.....	.....	1	Total	Unknown.
Nov. 9	Charles Hinkley.	25	do	Barge	.....	Algoma to Buffalo	Lake Erie	Stranding	Thick weather	.....	do	7,000
Oct. 24	City of Owen Sound.	12	Owen Sound	Ship	743	Sault Ste. Marie to Collingwood.	Clapperton Island.	do	A rock	....	do	29,000
Aug. 4	Canada	15	Hamilton	Steamer	408	Sault Ste. Marie to Duluth, Ma.	Corbay Point, Lake Superior.	do	Shoal not marked on chart.	.....	Trifling	.....
Oct. 4	California	4	Montreal	Propeller	580	Chicago to Montreal	Lake Michigan	Foundering	Gale	9	Total	27,000
June 7	Dunholme	4	West Hartlepool.	Schooner	1142	N. Sydney to Montreal.	New Basin, Montreal.	Collis. with steam tug "Naomi."	.....	.....	No loss.	.....
Sept. 10	D. Foster	2	Port Burwell	Steamer	48	Port Dover to Port Burwell.	Port Burwell	Collision	Fire	.....	Total	Unknown.

Oct.	4	D. S. Austin	14	American	Schooner	.....	Kelly's Island to Lake Superior.	Near Port Clark Light.	Stranding	Compass out of order.	.....	Partial	do
May	8	E. B. Eddy	.....	Ottawa	Steam tug	38	Montreal to Ottawa	Bruster's Bridge	Collis. with 'Bohemian'	.....	.....	do	2,000
Sept.	17	Elevator No. 1	14	.....	Elevator	50	Montreal	Allan Wharf, River St. Lawrence.	Fire	Unknown.	.....	do	1,500
Nov.	9	Edwin Harmon.	20	American	Barge	271	Algoma to Buffalo	Lake Erie	Stranding	.....	.....	Total	7,000
July	20	Hochelaga	1	Montreal	Steamer	256	Montreal to Sorel	.....	Collision	Unknown.	.....	No damage.	.....
Nov.	26	Hannah Butler	30	Picton, Ont.	Schooner	126	Wellington to Oswego.	Salmon Point Reef	Stranding	Fog	.....	Total	2,200 cargo 6,000
Oct.	31	J. G. Kolfage.	.....	Amherstburg	Schooner	84	Providence Bay to Goderich.	Near Port Blake, Ont.	Stranding	Rough weather.	.....	Partial	3,000 cargo 500
July	7	Longueuil	9	Montreal	Paddle	230	Longueuil to Hochelaga.	Between Longueuil and Hochelaga.	Broke Cross Head.	Unknown	.....	do	250
Aug.	27	Laprairie	18	do	do	306	Laprairie to Montreal.	On leaving Laprairie Wharf.	Broken Crank	W. & T.	.....	do	200
Oct.	3	Longueuil	3	do	Steamer	230	Longueuil to Montreal.	Hochelaga Cotton Factory Wharf.	Collision	Mistaken order	.....	do	200
do	19	Lincoln	15	St. Catharines	Sloop	247	Windsor to Chicago.	Lake Huron, in Little Side Bay.	Stranding	Sunken reef	.....	Total	Unknown.
Aug.	12	L. N. G	24	Montreal	Tug	7	Quebec	Opposite Custom House, Que.	Burned	Unknown	.....	Partial.	350
.....		M. Lalonde	12	do	Barge	250	Coteau Landing to Montreal.	Lake Ontario	Wrecked	Gale	.....	Total	Unknown.
Aug.	23	Minnie Frances	2	British	Barque	89	Kingston to Oswego.	do	Stranding	.....	.....	Partial	200
Oct.	13	Manzanilla	14	St. Catharines	do	320	Cleveland to Toronto	6 miles west of Dunkirk.	do	Leak	.....	Total	7,000
June	7	Naomi	2	Montreal	Barge	196	Montreal to Ottawa	Wellington Basin.	Collision	Dunholm	.....	Partial	625
Aug.	24	Nile	17	Kingston	do	49	Deseronto to Kingston.	2½ miles east of Adolphuston.	do	.....	.....	do	400 cargo 200

STATEMENT of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost	Total or Partial Loss.	Amount.
												$
Oct. 24	Oriental.....	23	Kingston.....	Schooner.....	328	Charlotte to Toronto	2 miles north-east of Port Dalhousie	Foundering..	Heavy Sea	.....	Total	5,000 cargo 2,800
Aug. 16	Propellor Ocean.	13	St. Catharines	Steamer	454	St. Catharines Loading.	Canal Basin	Coll'n with Steamship "Polino"	....	....	Partial..	200
May 6	Quebec.....	21	Montreal.....	Iron Steamer	1794	Quebec to Montreal..	Entering Sorel.....	Broke Cross Head.	W. & T.....	.....	do ...	600
June 16	St. Lawrence.	25	Quebec.....	Paddle.....	.....	Sorel to Saguenay ...	4½ miles below Sorel.	Grounded; mistook channel.	Pilot.....	.....	Unk'wn	....
do 4	St. George.....	10	Montreal.....	Steam Tug...	.....	St. Ours to Montreal	3 miles below St Ours, P.Q.	Burnt	Unknown	.....	Partial..	3,840
Sept. 4	Spartan	22	do	Paddle.....	678	Toronto to Montreal.	Between Kingston and Lake St. Clair	Burning.....	do	.....	do ...	100
Oct. 24	Sylvester Neelon.	12	St. Catharines	Schooner.....	290	Port Colborne to Cleveland, Ohio.	Lake Erie.	Coll'n with Schr. "L. Seaton."	....	.....	do ...	1,000
July 20	Trois-Rivières	18	Montreal.....	Steamer	1047	Three Rivers to Montreal.	A mile above Verchères, at Petit Cap.	Collision	Unknown	1	Partial..	300
do 22	Theodore Perry.	21	Saguenay	Schooner...	260	Buffalo to Saguenay.	15 miles east of Rondeau Harbor	Stranding ..	Heavy Sea.....	5	Total...	5,000

SUPPLEMENT to the Statement of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada—*Continued.*

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
												$
Sept. 15	Buckingham...	2	Montreal	Tug	24	Buckingham to High Falls.	2 miles above Little Rapids.	Burnt	Sparks from chimney.	.....	Total ...	2,500
Nov. 19	Clara White...	15	Kingston	Schooner	63	Oswego, U.S., to Kingston.	Indian Point. Quinté Bay.	Stranding ...	Gale	.....	Slight damage.	
do 28	Forest Queen.	33	do	do ...	137	Cobourg to Belleville	Indian Point	do ...	Snow storm ...	.....	Total ...	1,000
Dec. 8	Herbert Dudley.	11	do	do ...	225	Kingston to Oswego	Quinté Bay.	do ...	Snow and gale	.....	Partial .	75
Nov. 26	North Star	32	Montreal	....	160	Fair Haven to Toronto.	Stoney Island, Lake Ontario.	Foundered..	Wind	.....	Total ...	3,500
Oct. 7	Yosemite	.....	Victoria	Steamer.....	1054	New Westminster to Victoria.	3 miles below New Westminster.	Broken shaft	Unknown	.....	Trifling.	

APPENDIX No. 3.

REPORT OF THE HARBOUR COMMISSIONERS OF MONTREAL FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HARBOUR COMMISSIONERS OF MONTREAL,
SECRETARY'S OFFICE, MONTREAL, 13th February, 1888.

SIR,—I have the honour, by direction of the Harbour Commissioners of Montreal, to forward herewith for the information of the Honorable the Minister of Marine, statement of the general receipts and disbursements of the Trust for the year ended 31st December, 1887.

In comparison with last year, the ordinary revenue shows an increase of $16,210.74 or about 6 per cent.

The loss to harbour revenue from the coal vessels which discharged in the deep water basin of the Lachine Canal was about $17,000.

The following Departmental Reports have already been forwarded you, viz:—The Chief Engineer's on the harbour works; the Harbour Master's with comparative statements of trade of the port; the Chief Engineer's on the maintenance of the buoys and beacons on the River; and the report on matters relating to the Pilotage District under the jurisdiction of the Commissioners.

From the Harbour Master's Report it will be seen that there has been an increase in the business of the harbor for the past year, the increase in sea-going traffic being 64 vessels and 61,074 tons, while the inland vessels show a decrease of 154 vessels and of 18,367 tons.

The usual report of the deepening of the ship channel between Montreal and Quebec, to 27½ feet at low water, for the last fiscal year, has been furnished the Department of Public Works.

At the last Session of Parliament a further grant of $325,000 was made to enable the Commissioners to deepen the channel at Cap-à-la Roche to 27½ feet at low water, which work will be entered upon at the opening of the coming season of navigation.

I have the honour to be, sir,
Your obedient servant,

ALEXANDER ROBERTSON,
Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

HARBOUR COMMISSIONERS OF MONTREAL.

STATEMENT of General Receipts and Disbursements for the Year ending 31st December, 1887.

RECEIPTS.	$ cts.	$ cts.
FROM THE DOMINION GOVERNMENT.		
Received on account of new channel works	145,000 00	
Buoys and beacons, allowance, 1886	7,000 00	
		152,000 00
REAL ESTATE.		
Final payment on old building	3,600 00	
One year's interest on above	216 00	
		3,816 00
HARBOUR DEBENTURES.		
Series F sold (par value)		172,000 00
HARBOUR PLANT.		
Canadian Pacific Railway, for Dredge No. 5 cost	18,000 00	
J. Reynar, for old sheaves sold	36 90	
		18,036 90
HARBOUR RAILWAY.		
Steel rails sold		56 25
BUOYS AND BEACONS.		
Refund of Customs duty		1 99
HARBOUR DREDGING.		
Sundry amounts received for credit		6,454 18
NEW CHANNEL OPERATIONS.		
Sundry amounts received for credit		2,957 46
LIGHTING WHARVES.		
Electric lighting, for use of one lamp on 22 nights, at 75 cts	16 50	
Coal oil, sundry amounts received	23 50	
		40 00
HARBOUR EXPENSES.		
Sundry amounts received		22 20
HARBOUR REPAIRS.		
Sundry amounts received		742 42
Carried forward		356,127 40

STATEMENT of General Receipts and Disbursements, &c.—*Continued.*

RECEIPTS—*Continued.*	$ cts.	$ cts
Brought forward		356,127 40
FROM COLLECTOR OF CUSTOMS, MONTREAL.		
Wharfage on goods inwards	128,733 89	
do outwards	72,907 45	
Tonnage dues on sailing vessels	4,718 20	
do steamers	48,147 51	
		254,507 05
FROM LOCAL TRAFFIC.		
Wharfage on goods inwards	8,317 56	
do do outwards	894 45	
Harbor dues on Barges	9,134 21	
do Steamers	2,056 96	
Commutation on do	13,115 00	
Lumber piled	2,224 00	
Phosphate piled	98 88	
Coal do	1,550 00	
Firewood do	491 75	
Rent of Railway tracks	2,950 00	
Scales	1,100 00	
Small offices	847 90	
Penalties	69 50	
		42,850 21
Rent of offices in building		1,250 00
Rent of yard, corner Barclay and Water streets		437 55
INTEREST.		
From Canadian Pacific Railway, as value of Dredge overdue	432 00	
Accrued on Debentures sold	514 66	
Received on Bank Deposits, less paid on Overdrafts, &c	456 08	
		1,402 74
Total Receipts		656.574 95
DISBURSEMENTS.		
New dredging plant		5,926 98
New channel operations		192,214 69
Buoys and beacons		14,332 61
Dominion Government, interest		99,187 22
DEBENTURES PAID.		
Series H	7,000 00	
do J	100,000 00	
do K	100,000 00	
		207,000 00
REAL ESTATE.		
Paid for yard, corner of Barclay and Water streets		12,650 00
CONSTRUCTION ACCOUNT.		
Sections 16 and 41-44	6,149 27	
Windmill Point wharf	5,228 74	
Carrried forward	11,378 01	531,311 50

STATEMENT of General Receipts and Disbursements, &c.—*Continued.*

DISBURSEMENTS—*Continued.*	$ cts.	$ cts.
Brought forward	11,378 01	531,311 50
Electric lighting	2,013 93	
Harbor dredging, new work	23,220 74	
Interest on Debentures	115,730 00	
Discount on 4 per cent. Debentures sold	6,807 50	
		159,150 18
Harbour repairs		70,634 00
do expenses and management		26,598 52
do dredging, Allan's basin and Canal entrance		1,148 64
do survey		78 93
Electric lighting, maintenance		2,978 79
Coal oil, lighting wharves		491 96
Travelling and incidental expenses		237 00
Printing, advertising and stationery		2,624 56
Legal and notarial expenses		173 63
Refund and rebate of wharfages		2,469 25
Mrs. John Young, annuity		600 00
Suspense account		1,826 00
H. D. Whitney, defalcation account		31,466 97
Total disbursements		831,789 93

PORT OF MONTREAL.

COMPARATIVE Statement showing the Number and Tonnage of Inland Vessels that arrived in Port the past Ten Years, with the greatest number in Port at one time.

Years.	Number of Vessels.	Tonnage.	Greatest Number in Port at one time.		
1878	5,502	764,243	261	Oct.	15
1879	5,698	817,243	227	Nov.	6
1880	6,489	1,044,380	253	July	7
1881	6,030	949,380	191	Nov.	4
1882	5,947	848,780	190	Sept.	29
1883	5,477	764,721	174	do	5
1884	4,808	726,015	161	July	9
1885	5,003	724,975	142	Oct.	1
1886	5,521	809,819	178	Aug.	25
1887	5,367	791,452	189	May	31

APPENDIX No. 4.

REPORT OF THE QUEBEC HARBOUR COMMISSIONERS FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

QUEBEC, 10th January, 1888.

SIR,—In compliance with the requirements of section 14 of the 38th Victoria, chapter 55, I have the honor to submit the following report on the doings of the Quebec Harbour Commission for the year 1887.

CHIEF ENGINEER'S REPORT.

The enclosed report from the Chief Engineer, Mr. Henry F. Perley, contains all the information having reference to the progress of the Harbour Works under his charge during last year.

GRAVING DOCK.

Since the Dock has been available for the repairs of vessels, in September 1886, it has been used by four Steamers :—the 1st SS. "Titania," 2,072 tons, gross; the 2nd SS. "Lake Huron," 4,046 tons, gross; the 3rd SS. "Panama," 2,016 tons, gross; and the 4th French Aviso "Bouvet," 800 tons, gross.

The first vessel was docked the 1st September, 1886, and undocked the 5th May following, the second went in the 9th same month and left the 31st August, the third came in the 17th September and remained till the 2nd October, and the last one took possession the 4th and was undocked the 8th same month.

A portion of the Contractor's plant, composed of the Dredges Sir Hector and St. Joseph, two tugs and four dump scows, have been placed in the Dock, the 29th November, for the purpose of being repaired during the winter.

It is with great satisfaction that the Commissioners can state that the Graving Dock, after one year's test, during which it was exposed to one of the most severe winters of this country, has given proof of the greatest solidity and of its water-tight powers.

The Dock has been visited during the summer, by many connoisseurs from England, France and the United States, and they have all pronounced it equal, if not superior, to any of the most renowned Docks of the world.

The Dock is now managed by Captain I. E. Bernier, who has been appointed Dock Master on the 27th March. He has shown himself to be quite competent for such a position and has given entire satisfaction to the Commissioners.

WET DOCK HARBOUR WORKS.

The work of dredging in the Wet Dock has progressed most satisfactorily during the season. 483,170 cubic yards of materials having been dredged at a uniform depth of 15 feet.

When the south wall, under contract, will be completed, its retaining power will be of such capacity as to enable, with few alterations, the dredging of the whole area of this Basin to be carried to such a depth as to give 30 feet or more, if necessary, at low water.

South Wall Harbour Works.

The south wall works have not progressed as rapidly as expected, but the Commissioners have decided to take the means to have them completed within the term of the contract, that is to say, by the fall of the present year.

A most important change has been effected in connection with this contract, by which cut stone will be used instead of brick for the portion of the intercepting sewer which was to be built in brick, the contractors having undertaken to do the work for the price specified for the brick work, the substitution costing consequently nothing.

Building for Storing Coal Oil on Louise Embankment.

In the last report, referring to an application made by Mr. A. E. Vallerand, coal oil merchant of this city, to be allowed to erect, on the Louise Embankment, a building for the purpose of storing coal oil, it is stated that only few details remain to be settled before closing with this gentleman. An agreement has since been concluded and Mr. Vallerand has erected a vast and commodious fire-proof building, capable of storing three thousand barrels, which can be conveyed by railway to the store itself.

Emigrant Building.

A spacious structure, built in the most modern style and supplied with the best accommodations, has been erected during the year, by the Dominion Government on the Louise Embankment for the purpose of receiving the emigrants booked for the west through the Canadian Pacific Railway.

Extension of the Railway Tracks on Louise Embankment.

On the recommendation of their Chief Engineer the Commissioners have decided to lay another track on the Louise Embankment between the edge of the wall and the present southern track, in order to meet the requirements of the traffic, and also to lay a further line of rails "as a main line" to the southward of the existing railway, for the use of passengers, baggage, light freight, etc., and have for that purpose purchased 300 tons steel rails and 30 tons fish-plates.

The laying of those new tracks is still unfinished, but will be completed early next spring.

Dumping of Dredged Materials into the River St. Lawrence.

The attention of the Quebec Board of Trade having been called to the action of the Commissioners who were allowing a portion of the dredged material from the wet dock to be dumped into the River St. Lawrence, the council of this board has addressed to commander Maxwell, on Her Majesty's Survey, a letter praying him to give his opinion on the effect upon navigation if such practice was continued without interruption for the following two or three seasons.

A copy of commander Maxwell's reply to same has been addressed to the Commissioners and is annexed to this report as also a copy of the harbour master's report on the subject with the letter conveying same.

This question has also been the subject of a communication addressed the 1st August to your department in reply to its letter of the 20th of the previous month.

Accomodation for Landing Coal on Louise Embankment.

It having been represented that it was of absolute necessity to provide for the landing of coals on the Louise Embankment, accommodation to that effect has been supplied, which has been found most beneficial, but the coals are not allowed to remain on the embankment or to interfere with the traffic of the railway.

Dredging of the Fly Bank Channel.

The dredging of the Fly Bank Channel, which was commenced in 1879, continued in 1880, and brought to a close during the month of September the following

year, has been resumed this year under the superintendence of Mr. Claude Giguère, who has had command of the lifting barge all the time it was in use in the harbour. The work was done by Messrs. Larkin, Conolly & Co., contractors for the harbour works, and only commenced in October, the Commissioners having taken advantage for ordering same, that they, the contractors, were sending one of their dredges for the purpose of digging clay in that channel, thus securing their services for such a work at a very low figure.

	Cubic Yards.
The quantity of material dredged this year amounts to.....	40,203
Which added to the.....	13,866
Previously dredged, gives a total of.....	54,069

It is the intention of the commissioners to continue the dredging of this channel, if possible, till its entire completion.

Cement.

The Council of the Quebec Board of Trade has submitted to the Commissioners a letter from Messrs. T. A. Gauvreau & Co., having reference to the advisability of using in the harbour works the cement manufactured by them. This question has been referred to the Chief Engineer, Mr. Perley, whose opinion is clearly evinced in his report which forms part of the accompanying annexures on the subject.

Ship Labour, Port of Quebec.

The commissioners, being justly alarmed by the long existing restrictions put by the ship labourers in the way of loading and unloading vessels in this Port, have resolved to take the matter into consideration with the view, if possible, of prevailing upon them to remove the restrictions complained of, and they have, in consequence, through their Secretary, addressed to the principal shippers of Montreal a circular, worded as follows:—

"I am directed by the Harbour Commissioners to ask you if you would kindly advise them as to the difficulties that exist in your sending your steamers down to load in Quebec. Will you please write them what drawbacks there are to your steamers taking either timber or deals in Quebec as compared to Montreal? It is the Commissioners desire to have all restrictions removed, and, if possible, to induce the ship labourers to amend their by-laws so that it will give the facilities that you may need."

With the exception of one, in which the firm state that they are not conversant with the difficulties, all the answers received convey the most severe condemnation of the labourers' action in persisting to enforce rules so contrary to the welfare of our Port and unavoidably tending to its ruin.

It is to be hoped that they will realize the situation and take the means of having an understanding with the shipping interests in order to place this Port, in reference to the cost of labour, on the same footing with the Port of Montreal.

The Commissioners have also taken means for defining their legal position in the matter, and they have for that purpose, directed their solicitor to report on their power to remove the difficulties that exist from the action of the ship labourers. A copy of his report is annexed to the present one.

Repairs to Property.

All the property under the control of the Commissioners has been kept in a thorough state of order. The two wharves—the Point à-Carcy and East India Wharves—previously reported as much in need of repairs, have not yet been repaired on accounnt of the depressed condition of the revenue of the Commission.

If the revenue of the coming season can warrant such an expenditure the Commissioners will not fail to undertake the repairs of one of those two wharves.

In order to facilitate the storing of goods many important improvements have been made in the interior of the two large stores on Point-à-Carcy Wharf.

The hoisting apparatus of one of them has been so modified as to save much labour in handling heavy goods such as sugar and molasses.

The flat portion of the roof of store No. 2, on that wharf, which was covered with gravel, has been covered with galvanized sheet iron.

Two hundred and thirty-nine tons of iron dross have been overspread on the top and fifty-five tons stone ballast dumped into the wharf during the year.

A large quantity of ballast from the cuts made in Dalhousie and Leadenhall streets, in connection with the Harbour Works, has also been dumped into the wharf during the working season; but, as this ballast has cost nothing, no account of the quantity so dumped has been kept.

ICE CUTTING.

Permission was asked to allow ice to be cut outside of the limits allotted the previous year, but all application to that effect has been refused.

The ice cut has proved to be of the purest quality.

Thirty-three thousand eight hundred and fifteen blocks of ice, all for local use, have been cut during the winter of 1886-87, an excess of 2,039 blocks in the harvest of the preceding year.

The usual statements, conveying the information yearly furnished to your Department regarding the Harbour, as also a complete statement of the Commissioners' accounts for the year, are all annexed to this report.

I have the honor to be, sir,
Your obedient servant,

A. H. VERRET,
Secretary-Treasurer.

REVENUE.

COMPARATIVE STATEMENT of the Revenue of the Commission for the two years 1886 and 1887.

—	1886.	1887.	Difference in 1887.	
	$ cts.	$ cts.	$ cts.	
Tonnage dues	15,796 89	15,081 72	715 17	Decrease.
Import do	3,189 95	2,958 13	231 82	do
Export do	5,257 70	4,680 92	576 78	do
Harbour do	2,668 05	2,465 40	202 65	do
Property receipts	20,388 39	24,833 38	4,444 99	Increase.
Interest	889 69	677 28	212 41	Decrease.
Beach and deep water lots	1,977 37	1,977 37	.....	
Sundries	249 30	358 36	109 06	Increase.
Totals	50,417 34	53,032 56	2,615 22	Increase.

I have the honour to be, Sir,
Your most obedient servant,

A. H. VERRET,
Secretary-Treasurer.

REVENUE AND EXPENDITURE.

Dr. 1887.		$ cts.	$ cts.	Cr. 1887.		$ cts.	$ cts.
Dec. 31	To Tonnage dues	15,081 72		Dec. 31	By Officers' salaries	6,816 64	
	Import do	2,958 13			Reporters' salaries	775 00	
	Export do	4,680 92			Auditors for 1886	200 00	
	Harbour do	2,465 40			Commissioners' attendance	2,645 00	
	Property receipts	24,833 38			Property expenses	5,419 73	
	Beach and deep water lots	1,977 37			Legal do	413 47	
	Interest	677 28			Harbour Master's service	248 60	
	Sundries	358 36			Painting and papering new office	532 70	
	Profit and loss	2,302 57			Hardware for general use	198 70	
					Commissioners' Report	416 60	
					Pneumatic bells	57 50	
					Fixing closet	63 99	
					Window blinds	60 00	
					Advertising, stationery, office cleaning, &c.	1,337 20	
					1 year's interest and sinking fund on $723,000 harbour debentures	36,150 00	
			55,335 13				55,335 13

JAS. WOODS,
Bookkeeper.

A. H. VERRET,
Secretary-Treasurer.

Dr — Balance Sheet of 31st December, 1887. — Cr.

		$ cts.	$ cts.			$ cts.	$ cts.
Dec. 31	To Office furniture	3,425 57		Dec. 31	By Beach and deep water lots	54,706 31	
	Amount at debit of grantees for beach and deep water lots	40,685 25			Sinking fund	229,744 33	
	Amount at debit sundries for rents, harbour dues, &c	11,976 29			Receiver-General of Canada	14,460 00	
	Pointe à Carcy wharf	274,403 16			Quebec harbour debentures	3,120,000 00	
	Breakwater do	220,344 63			Graving dock capital	825,000 00	
	East India do	48,368 49			do revenue	10,130 86	
	Grand Trunk do	15,433 32					
	Wellington do	84,806 25					
	Atkinson's do	50,945 20					
	Reynar's do	9,918 29					
	Harbour improvements	2,374,755 32					
	Graving dock	833,716 94					
	Receiver-General, Sinking fund	226,129 33					
	Cash	437 32					
	La Banque Nationale	39,149 14					
	Jackscrew's account	394 87					
	Tool's account	1,369 05					
	Open exchange	2,519 15					
	Lifting barge	5,644 45					
	Atkinson's wharf—Reconstruction	2,514 94					
	Suspense account	1,241 44					
	Profit and loss	5,863 10					
			4,254,041 50				4,254,041 50

Jas. Woods,
Bookkeeper.

A. H. VERRET,
Secretary-Treasurer.

We hereby certify that we have examined the books and vouchers of the Quebec Harbour Commission for the year ending 31st December, 1887, and that the above is a correct copy of the Balance Sheet.

A. GABOURY, } *Auditors.*
A. AHERN, }

Quebec, 21st January, 1888.

QUEBEC.

DR. STATEMENT of Assets and Liabilities per Balance Sheet of Date. CR.

1887.	ASSETS.	$ cts.	$ cts.	1887.	LIABILITIES.	$ cts.	$ cts.
Dec. 31.	Real Estate :—			Dec. 31.	Quebec Harbour debentures	3,120,000 00	
	Point à Carcy Wharf	274,403 16			Graving Dock—Capital	825,000 00	
	Breakwater do	220,344 63			do Revenue	10,130 86	
	East India do	48,368 49			Receiver-General for Interest	14,460 00	
	Grand Trunk do	15,433 32					3,969,590 86
	Wellington do	84,806 25					
	Atkinson's do	50,945 20			SURPLUS.		
	Reynar's do	9,918 29					
			704,219 34		Composed as follows :—		
	In re Beach and Deep Water Lots :—				Beach and deep water lots, the property of Commission	54,706 31	
	Capital at debit sundries	35,162 59			Sinking Fund in hands of Dominion Government	229,744 33	
	Arrears of interest to June 24, 1887	5,522 66					
	do do Dec. 24, 1887	1,241 44					
			41,926 69				284,450 64
	Rents and Sundries—Due by sundries as per Balance Sheet		11,976 29				
	Sinking Fund—In hand of Receiver-General		226,129 33				
	Cash :—						
	On hand	437 32					
	In La Banque Nationale	39,149 14					
			39,586 46				
	Harbour Improvements		2,374,755 32				
	Graving Dock		833,716 94				
	Open Exchange		2,519 15				
	Atkinson's Wharf—Reconstruction		2,514 94				
	Lifting barge		5,644 45				
	Jackscrews on hand		394 87				
	Tools do		1,369 05				
	Office furniture		3,425 57				
	Profit and loss		5,863 10				
			4,254,041 50				4,254,041 50

JAS. WOODS, *Bookkeeper.* A. H. VERRET, *Secretary-Treasurer.*

We hereby certify that we have examined the statement of Assets and Liabilities of the Quebec Harbour Commission on the 31st December, 1887, and that we have found the same correct.

QUEBEC, 21st January, 1888.

A. GABOURY, A. AHERN, } *Auditors.*

QUEBEC, 21st January, 1888.

GENTLEMEN,—We beg to report that we have audited the books and vouchers of the Commission for the year 1887, and we are pleased to state we have found everything in order.

We have to thank Mr. Verret and Mr. Woods for having given us all the facilities possible.

We have the honor to be, Gentlemen,
Your obedient servants,

A. GABOURY,
A. AHERN, *Auditors.*

To the Chairman and Commissioners,
Quebec Harbour Commission,
Quebec.

APPENDIX No. 5.

REPORT OF THE HARBOUR COMMISSIONERS OF TORONTO FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

TORONTO HARBOUR.

SECRETARY of the Toronto Harbour Trust in account with the Harbour Commissioners for 1887.

GENERAL BALANCE SHEET.

DR.				CR.		
1887.		$ cts.		1887.		$ cts.
Dec. 31	Wharf property	42,817 77		Dec. 31	By Overdraft at bank	6,364 76
	Elevator	10,250 00			Profit and loss	47,411 76
	Office furniture	704 71				
	Cash on hand	4 04				
		53,776 52				53,776 52

Having examined the books, accounts and vouchers, and having compared the balance sheet as above with the books, etc., we certify the same to be correct and to represent a true statement of the affairs of the Trust to 31st December, 1887.

MORGAN BALDWIN,
Harbour Master.

C. W. POSTLETHWAITE,
Deputy Harbour Master.

ARTHUR B. LEE, Chairman.
A. M. SMITH,
GEORGE VERRAL,
WILLIAM CARLYLE,
GEO. A. CHAPMAN,
Commissioners.

JAS. E. DAY,
C. B. GRASETT,
Auditors.

TORONTO, 5th January, 1888.

STATEMENT of Receipts and Expenditure of Toronto Harbour Trust for the Year 1887.

1887.	RECEIPTS.	$ cts.	1887.	EXPENDITURE.	$ cts.
Jan. —	Balance on deposit at bank..	8,924 47	Dec. —	Dredging.....	17,589 36
	Cash on hand.....	1 91		Improvement to property at Queen's Wharf.....	2,797 20
Dec. —	Corporation of City of Toronto.....	100 00		Repairs at Queen's Wharf...	2,446 61
	Interest on deposit at bank..	174 05		Salaries.....	2,600 00
	Toronto, Grey and Bruce Railway.....	3,000 00		Office expenses, including rent.....	513 09
	Toronto Yacht Club, acct. for lost anchor.....	8 50		Lights, buoys and beacons..	436 05
	Harbour dues for year.....	8,559 68		Charges, auditors' and commissioners' fees.....	300 00
	Rent of boat houses at Queen's Wharf.....	6 00		Printing and stationery.....	66 40
	Str. "Hastings" account for damages to Queen's Wharf.....	16 36		Deputation to Ottawa.....	42 40
	Overdraft at bank.....	6,364 76		Solicitor's fees.....	54 00
				Engineer's fees for report on Don.....	50 00
				Advertising for tenders.....	36 45
				Insurance.....	142 20
				Coal and wood.....	35 00
				Capt Manson, "Erie Belle".	20 00
				Repairing boat.....	10 00
				Refund of rent for boat houses.....	5 00
				Cab-hire.....	4 00
				Office furniture.....	3 93
				Cash on hand.....	4 04
		27,155 73			27,155 73

Examined and found correct.

JAS. E DAY,
C. B. GRASETT,
Auditors.

TORONTO, 5th January, 1888.

STATEMENT IN DETAIL.

1887.			$ cts.	$ cts.
		Office Furniture.		
Jan.	1	Amount as per ledger	700 78	
April	9	To drawer for plans, &c	3 93	
				704 71
		Property.		
Jan.	1	Amount as per ledger	40,020 57	
Sept.	5	New Crib at Queen's Wharf	2,797 20	
				42,817 77
		Insurance.		
Jan.	24	Premium on lighthouses	8 00	
July	29	do elevator	130 00	
Dec.	27	do office furniture	4 20	
				142 20
		Coal and Wood.		
Jan.	24	J. R. Bailey & Co, 2 tons coal	11 50	
Mar.	26	do 1 do	6 00	
Apr.	27	do 1 do	5 50	
Dec.	2	do 2 do	12 00	
				35 00
		Office Expenses.		
Nov.	12	G. R. R. Cockburn, rent for year	360 00	
Oct.	31	Rent for telephones at Bay Street and Queen's Wharf	100 00	
Dec.	31	Cleaning office, water rate, &c., per petty cash	57 03	
				517 03
		Lights, Buoys and Beacons.		
Oct.	24	Account for gas for three quarters	123 73	
Dec.	21	Placing buoys, painting and repairing	235 07	
May	7	To sounding along city front	14 00	
do	26	To 6 new anchors with eye bolts and shackles	51 75	
Oct.	24	New ventilator on Red Lighthouse	6 50	
Nov.	30	Paid for 5 anchors recovered by dredge	5 00	
				436 05
		Charges.		
Jan.	10	Commissioners' and auditors' fees for 1886		300 00
		Dredging.		
July	30	At Yonge Street slip, 1,050 cubic yards at 15c	157 50	
do	30	At Church do 1,075 do	161 25	
do	30	At Rogers' do 6,075 do	911 25	
Aug.	30	At Sylvester's slip, 244 do	36 60	
do	30	At Conger's do 555 do	83 25	
do	30	At Don channel, 17,340 do	2,601 00	
Aug. and Nov.		At Western do 30,090 cubic yards at 28c	8,425 20	
Nov.	30	Extra wheeling at Queen's Wharf, per contract	2,535 35	
do	30	Removing boulders at western channel	262 50	
do	30	Engineer's fees, check clerks' salaries, &c	2,415 46	
				17,589 36
		Printing and Stationery.		
Jan.	10	*Mail* account, printing notices of meeting	2 00	
do	24	Brown Bros., foolscap paper and envelopes	6 25	
		Brought forward	8 25	62,542 12

STATEMENT IN DETAIL—*Continued.*

			$ cts.	$ cts.
		PRINTING AND STATIONERY—*Continued.*		
		Brought forward	8 25	62,542.12
Jan.	24	Copp, Clark & Co., letter paper	6 00	
Feb.	1	*Mail* account for annual statement	18 50	
April	9	do import manifests	8 50	
do	9	Brown Bros., blotting paper	3 00	
June	11	do minute book	3 25	
Nov.	14	*Mail* account, posters	8 00	
Dec.	31	Petty cash, stamps, envelopes, &c	10 90	
				66 40
		ELEVATOR.		
Jan.	1	Amount as per ledger		10,250 00
		SALARIES.		
Dec.	24	M. Baldwin, harbour master	1,200 00	
do	24	C. W. Postlethwaite, deputy harbour master	800 00	
do	24	Captain Taylor do	600 00	
				2,600 00
				75,458 52
		CREDITS.		
Apr.	20	From Corporation City of Toronto	100 00	
Dec.	31	From tenant, proportion water rates	3 94	
				103 94

PROFIT AND LOSS.

Dr. 1887.	$ cts.	Cr. 1887.	$ c
Dredging	17,589 36	Balance as per ledger folio 376	59,897 7
Repairs to Queen's Wharf	2,446 61	Harbour dues	8,559 6
Office expenses and rent	513 09	Toronto, Grey and Bruce Railway	3,000 0
Salaries	2,600 00	Interest on deposit at bank	174 0
Lights, buoys and beacons	327 55	Account against str. "Hastings"	16 3
Charges	300 00	Rent of boat houses at Queen's Wh'f.	6 0
Insurance	142 20		
Solicitor's fees	54 00		
Engineer's fees for report on Don	50 00		
Deputation to Ottawa	42 40		
Printing and stationery	66 40		
Advertising for tenders	36 45		
Coal and wood	35 00		
Captain Manson, "Erie Belle"	20 00		
Repairing boat	10 00		
Refund of boat house rents	5 00		
Cab hire	4 00		
Balance to credit of profit and loss	47,411 76		
	71,653 82		71,653 8

Examined and found correct.

JAS. E. DAY,
C. B. GRASETT,
Auditors.

Toronto, 5th January, 1888.

COMPARATIVE STATEMENT.

Goods Arriving by Steamers and Vessels for 1886 and 1887.

Description.	1886.	1887.
General merchandise ... tons	17,149	14,73
Coal ... do	119,205	162,66
Wood ... cords	397	36
Stone ... toise	3,609½	3,75
Building stone ... tons	3,508	4,35
Moulding sand ... do	393	681
Fruit ... barrels	8,143	10,69
do ... boxes	9,697	16,08
do ... baskets	55,968	73,97
do ... bags	1,829	305
Laths and hoops	2,999,250	1,783,60
Lumber ... feet B. M	1,554,500	1,321,85
Grain ... bushels	116,263	18,25
Sheep, pigs and calves, in carcass	10	1
do alive	2	4
Horses, carriages and horned cattle	333	47

C. W. POSTLETHWAITE,
Deputy Harbour Master.

THIRTY-SEVENTH ANNUAL REPORT.

To the Commissioners of the Harbour of Toronto:

GENTLEMEN,—I have the honour to lay before you my Annual Report for the year 1887.

The ice left the Bay on the 12th of April, twenty-three days later than last year. And the first vessel to arrive was the schooner "Jessie Drummond," Captain Maw, light from Charlotte, U.S. The last vessel to arrive was the "Defiance," Captain Naish, with stone, on the 17th December; this was three days later than the latest last year. The Bay was frozen over on the 24th December.

The number of arrivals this year was:—

	1887.	1886.		
Steamboats, loaded	478	516	Decrease...	35
do light	8	1	Increase...	7
Propellers, loaded	134	155	Decrease...	21
do light	85	80	Increase...	5
Schooners, loaded	1,236	1,140	Increase...	96
do light	78	85	Decrease...	7

The number of vessels wintering here is 58, representing about 7,869 tons register.

The balance to the credit of the Trust in the Bank of Toronto, on the 1st of January, was $8,926.38. The receipts for Harbour Dues were $8,559.68 (a decrease of $54.50 as compared with last year), and the receipts from all other sources $3,304.91, making a total of $20,790.97. The expenditure for the year being $27,155.73, left a deficit of $6,364.76, which had to be met by an over draft at the Bank. This was owing in great measure to the large amount of necessary work done this year and partly to the reduction in the tariff.

I would strongly urge a return to the former tariff, as I think this year's experience has clearly proved that the pleas advanced by the petitioners for such reduction have been falsified by the facts. Their argument was, that if a number of enumerated articles which paid a specific rate were placed under the head of general merchandise, and the rate for general merchandise reduced from 6¼ cents to 4 cents per ton, the increase in the amount of merchandise carried would more than make up the usual revenue from such sources. Now, the fact is, there were 2,327 tons merchandise less carried this year than last and the receipts from the same sources $557.21 short of the previous year.

There has been a considerable increase in the coal receipts owing to the fact that the railways were not competing with the vessels this season, and not in any way to be attributed to the reduction of one cent per ton in the tariff.

The amount of coal received by water was 162,667 tons, 2,471 of which was soft coal; this is an increase of 43,462 tons as compared with last year. The amount received by rail, as per information received from the Custom House, was, hard, 122,573 tons; soft, 189,323 tons; total, 311,896 tons. Amount received in 1886 253,914 tons.

A very large amount of dredging was done this year, principally in the Western channel, owing to the encroachment of the bar. The sand which was removed from the channel was used to help fill in the Commissioners' lot to the north of the Queen's Wharf. A number of the slips had to be dredged as usual, owing to the deposit from the sewers, and dredging was also done in the Don. A considerable amount of dredging will be necessary next spring to make good water, say 14 feet, from the foot of Sherbourne street to Messrs. Gooderham & Worts' wharf in the Don, and there are some obstructions in the Western channel, probably stones, which will need to be removed as soon as possible.

Total cost of dredging this year, $17,589.36.

Four hundred and fifty feet of crib work was constructed and laid down fro the red lighthouse crib running in a northerly direction across the Commissioner lot to within 60 feet of the Canadian Pacific Railway Company's property, enclosin a little more than four acres, which is now filled in partly with the sand from th channel and partly with the earth excavated by the Gas Company in making the large gasometer on Bathurst street.

A great improvement has been made by the City Board of Works having at la carried the Bathurst street sewer down to the end of the Queen's Wharf, where now empties itself into deep water. This sewer has for long years past discharge the sewage into the water at the angle formed by the Esplanade and the north we portion of the Queen's Wharf, where it left a foul deposit, which, particularly in h weather, was very offensive as well as highly injurious to health.

The water this year continued pretty high, the average for the year being 2 inches above zero. The highest water was on the 30th and 31st May, a 1st June, on which days it registered 39 inches above zero. The lowest water, above zero, was on the 29th December.

The buoys were all placed out by the 12th May—the "western channel" buo on the 16th April; those in the "gap" on the 19th; those in the "Don channel" o the 20th; those round the "point," with the exception of the "bell" buoy, on th 27th; and the "bell" buoy on the 16th April. The delay in getting this buoy o was owing to the Water Works Department not having replaced the counterpois which had been lost the year previous.

The "lights" on the Queen's Wharf were lighted on the 14th April, and di continued on the 15th December.

The loss, annually, of so many vessels and valuable lives, leads me to think th time has come when our Government should exercise some supervision over th building and sailing of our inland merchant marine. Seaworthiness is, in mar cases, sacrificed to carrying capacity and cheapness; and the amount of freight vessel carries is, in some cases, just that amount the captain thinks his vessel w float with. This, no doubt, is owing to the desire on the part of the captain to mak the most out of a low freight, and to stand well with his "owners," but it necessaril risks the lives of others who have no say in the matter.

The Government work of strengthening the Island breast work was begun i September last, and the men, under the superintendence of Ald. Swait, have sin then placed 2,598 cubic yards of heavy stone in position against the piling a western groin of "gap;" they have also built a stone groin at the western end breast work. The Superintendent purposes getting as much stone across the bay a possible, while the ice permits. He estimates the amount of stone necessary complete present work as 30,000 cubic yards, and probable cost of same at $100,00

I have much pleasure in testifying to the zeal and ability with which m deputies, Mr. C. W. Postlethwaite and Capt. Taylor, have discharged their sever duties.

All which is respectfully submitted.

MORGAN BALDWIN,
Harbour Master.

7th January, 1888.

TORONTO HARBOUR WORKS.

TORONTO, 6th January, 1888.

SIR,—I have the honour to report that the crib work on the east side of the northern portion of the Queen's Wharf, from the grain elevator to the Esplanade, was taken down and repaired in the early part of the year by the contractor, the work having been advertised. The contractor also constructed 450 feet of crib work, 10 feet in width, extending from the red lighthouse in a northerly direction to the Esplanade, as a protection for the sand filling to be dredged from the bar, and placed on the north side of the Queen's Wharf. The bins of the grain elevator were strengthened with ¾-inch round iron cross bolts and washers on the outside, and the sides of the bins were sheeted, the boarding originally having been only constructed on one side, which was found to be insufficient when the bins were required to be separately filled.

The east end of the front portion of the Queen's Wharf was slightly injured by a sailing vessel coming into the harbour. On examination it was found to be quite decayed, and according to directions the crib work was repaired and the corners sheeted with oak planking, bound with iron as before. The work was done at contract prices. Some repairs were also required to the crib work and planking on the front of the wharf. The whole of the above work was done under my direction by Mr. Robertson, the contractor, in a substantial manner.

The following slips and the Don channel were dredged during the year, the quantities being as follows. Yonge and Church streets were the first dredged :—

Yonge street slip	1,050	cubic yards
Church street slip	1,075	do
Rogers' slip and entrance	6,075	do
Sylvester's slip, east side	244	do
Conger Coal Company's slip	725	do
Don channel	25,925	do
Total	35,094	do

The contract price per tender was 15 cents per yard. The quantity of dredging at the Don channel was largely increased in consequence of the rapid fall of the water level in Lake Ontario, from 39 inches above zero in May to 3 inches in December, in all 36 inches—an exceptional fall.

The bar on the south side of the Western channel was dredged according to contract, the price being 28 cents per cubic yard, and additional allowance for hauling beyond 100 lineal yards.

The quantity dredged was 30,000 cubic yards, as specified; the sand was filled in and levelled in the space north of the western portion of the wharf, a steam derrick having been used to empty the scows. Several boulders were also removed from the channel by the contractor, Mr. John Conlon, who performed the work in a satisfactory manner.

An average width of 50 feet was dredged off the northern edge of the bar, the least width of the channel being 325 feet, and 350 feet at the entrance.

The City Board of Works have extended the Bathurst street sewer along the roadway leading from Front street to the wharf. The deposit from this sewer will have to be dredged at a future time, as I am of opinion that the current through the channel, which flows into and out of the harbour with the change of wind will not be sufficient to remove it.

I remain, your obedient servant,

KIVAS TULLY,

Engineer.

A. B. LEE, Esq.,
Chairman Toronto Harbour Commissioners.

APPENDIX No. 6.

REPORT OF THE HARBOUR COMMISSIONERS OF PICTOU, N.S., FOR THE CALENDAR YEAR, ENDED 31ST DECEMBER, 1887.

PICTOU, N.S., 27th January, 1888.

SIR,—I beg to enclose herewith the statement of receipts and expenditure of the Harbor Commissioners for year ending 31st December, 1887.

The east public wharf having been transferred to the Railway Department for terminal facilities, the Commissioners would respectfully draw your attention to the necessity for dredging about the west wharf in order that vessels and steamers of large tonnage may have no difficulty in securing a berth.

The Government steam dredge "St. Lawrence" is now at this wharf undergoing repairs and the Commissioners would strongly recommend that its services be secured immediately on opening of navigation.

There would be sufficient time to do the work required before the Gulf would be clear enough to allow the dredge leave for the season's work.

The Commissioners contemplate building an addition to the west wharf to give increased accommodation to shipping.

The Harbour Master's report for 1887 gives the total number of arrivals of steamers and sailing vessels at 1,322, aggregating 249,440 tons, against 1,588, aggregating 270,800 tons, during 1886.

I have the honour to be, sir,

Your obedient servant,

J. A. GORDON.

Chairman Harbour Commissioners.

The Deputy Minister of Marine,
Ottawa.

DR. ACCOUNT of Receipts and Expenditure of Harbor Commissioners, to 31st December, 1887. CR.

1887.		$ cts.	$ cts.	1887.		$ cts.	
Jan. 19	To Balance on hand as per statement.....	....	3,535 86	May.....	By Paid Bushing Middle and West Rivers.	13 00	
April 25	Wharfage, schooner "Claymore".....	3 00			do Thomas Fraser, for East River....	8 50	
Dec. ...	Cash from harbor dues, per Collector.	890 00			do James Munro, for low ground, &c.	8 50	
	Cash from Wharfinger, for wharfage..	140 00			do R. Dunbar, for bushes.....	4 00	
	Interest account..	108 20			do "Standard" printing account.....	12 00	
			1,141 20		do Stewart & Tanner account	24 00	
					do Placing buoys	19 00	
					do Thomas Fraser, account.....	2 31	
					do A. McKaracher account	8 99	
					do Johnston & Co., lumber account...	19 79	
					do J. & A. Carson account.....	7 29	
					do Dawson, Gordon & Co. account...	19 35	
					do A. A. Garvin account.....	119 67	
					do Lifting buoys	40 00	
					do Sundry small accounts..	20 45	
					do Wharfinger's salary	200 00	
					do Harbour Police (2)..	200 00	
					do Donald Grant account.....	3 85	
							730 70
					do Secretary's salary.....	....	100 00
					do 5 per cent. commission on $730.70	....	36 50
					By Balance on hand.....	....	3,809 86
			4,677 06				4,677 06

E. & O. E.

Sworn to at Pictou,
before me the 27th January, 1888.
WILLIAM ROSS, *J.P.*

J. A. GORDON,
Chairman Harbour Commissioners.

APPENDIX No. 7.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HARBOUR MASTER'S OFFICE,
HALIFAX, N.S., 23rd January, 1888.

SIR,—I have the honour to submit herewith my statement for the year ending 31st December, 1887, showing the number, rig and tonnage of vessels subject to Harbour Master's dues that entered this port.

I have the honour to be, sir,

Your obedient servant,

E. O'BRYAN,

Harbour Master.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

DR. RECEIPTS AND EXPENDITURE of the Harbour Master, Halifax, N.S., from 1st January to 31st December, 1887. CR.

—	Number.	Rig.	Tonnage.	$ cts.	—	$ cts.
To fees collected from.....	133	Steamers.....	209,353	641 00	By amount reverting to Harbour Master for expenses and remuneration.....	1,718 00
do do	2	Ships.....	1,785	9 00		
do do	86	Barques.....	46,844	302 50		
do do	12	Barquentines.....	3,927	28 00		
do do	8	Brigs.....	1,989	16 00		
do do	96	Brigantines.....	18,113	163 00		
do do	509	Schooners.....	45,661	558 50		
				1,718 00		1,718 00

E. O'BRYAN,
Harbour Master.

Sworn to before me at Halifax, N.S., this 23rd day of January, 1888.
JAMES S. O'BRIEN, *J.P.*

APPENDIX No. 8.

REPORT OF THE NORTH SYDNEY HARBOUR COMMISSIONERS FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

NORTH SYDNEY, C.B., 31st December, 1887.

SIR,—In accordance with the Commissioners' Act we have the honor of submitting our report for the year 1887.

The blocks built on the north bar in 1880-82 have settled in the sand to such an extent that it is unsafe for vessels to discharge ballast on them at spring tides. We intend, with your approval, to repair the blocks during the coming season.

The annexed statement contains the usual particulars furnished to your Department.

The Hon. GEO. E. FOSTER,
Minister of Marine and Fisheries.
Ottawa.

Coal Exports.

The coal shipments from this harbour show an increase of 10 per cent. over 1886, and 178 per cent. over 1879.

The following are the coal shipments since 1879:—

Years.	Sydney Mines.	Victoria.	International.	Bridgeport Mines.	Reserve.	Totals.
1879	108,259	.....	21,523	.....	17,269	147,051
1880	115,307	.....	58,897	.....	13,614	187,818
1881	133,135	.....	78,285	.....	68,884	280,304
1882	133,623	.....	102,927	.....	74,432	310,982
1883	131,673	154	96,997	.....	104,777	333,601
1884	131,339	10,408	80,798	3,045	86,550	312,140
1885	105,124	41,066	63,750	12,290	74,183	296,413
1886	122,000	46,745	105,590	12,500	84,500	371,335
1887	147,000	65,000	103,000	12,000	81,500	408,500

Shipping.

The tonnage arrivals of the year show an increase of 7,909 tons over 1886.

The following are the vessels, tonnage and seamen since 1879 that arrived and called off for orders:—

Years.	No. of Vessels.	Tonnage.	Seamen.
1879	1,150	245,220	9,892
1880	1,173	297,990	12,385
1881	1,017	401,082	10,147
1882	1,100	455,492	11,927
1883	1,486	417,894	14,297
1884	1,607	469,189	15,730
1885	1,317	400,557	15,014
1886	1,468	420,619	14,805
1887	1,264	428,528	13,316

The following is a statement of the receipts and expenditures for 1887 :—

	$ cts.		$ cts.
To Cash on hand	350 25	By Cash paid A. C. Bertram, account	12 00
Receipts from Collector of Customs	1,621 08	Harbour Master's salary	450 00
Receipts from Harbour Master	19 00	E. P. Archibald, note	176 08
		J. R. Lithgow, interest	210 00
		Bank charges on cheque	0 26
		"Trades Journal," account	2 00
		Fuel, cleaning, &c.	8 50
		Office rent	50 00
		M. J. Phoran, Chairman, services	150 00
		W. H. Moore's account	7 34
		Taxes, J. N. Armstrong	3 60
		G. H. Dobson, Secretary, salary	250 00
		W. H. Moore, Treasurer, 5 per cent. commission on $1,640.50	82 00
		Cash to balance	588 55
	1,990 33		1,990 33
To Cash brought down	588 55		

We have the honor to be, Sir,

Your obedient servants,

M. J. PHORAN,
W. H. MOORE,
GEO. H. DOBSON, } *Harbour Commissioners.*

NORTH SYDNEY, 23rd January, 1888.

HARBOUR MASTER'S REPORT.

COMPARATIVE STATEMENT of Arrivals and Tonnage of Vessels for Cargoes, Orders, and Steamers for Bunker Coals.

Class of Vessels.	1879.		1880.		1881.		1882.		1883.		1884.		1885.		1886.		1887.	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No	Tons.	No.	Tons.
Ocean steamers	41	42,550	197	197,242	253	258,470	174	178,566	217	212,467	271	240,674	240	226,468	289	241,849	292	280,943
Coasting steamers	105	45,752	43	15,297	55	25,703	128	86,759	178	40,732	121	35,303	71	17,475	77	16,044	82	19,810
Ships	8	7,541	13	16,788	9	11,076	5	5,989	11	10,480	11	13,148	5	5,523	5	7,151	6	7,528
Barques	134	68,234	124	77,882	136	44,753	110	62,380	105	53,157	159	80,039	133	62,827	150	73,219	110	49,056
Brigantines	145	25,358	189	45,524	125	25,854	185	45,969	149	36,186	189	36,597	166	33,998	86	19,368	102	18,323
Schooners	717	55,775	607	45,277	439	35,226	498	75,829	826	64,878	856	63,428	702	54,266	861	62,988	672	52,868
Totals	1150	245,200	1173	397,990	1017	401,082	1100	455,492	1486	417,900	1607	469,189	1317	400,557	1468	420,619	1264	428,528
No. of Seamen	9,882		12,385		10,147		11,927		14,297		15,730		15,014		14,803		13,316	

PORT OF NORTH SYDNEY.

COMPARATIVE STATEMEMT showing the dates of the closing and opening of navigation; also the first arrival from and the last departure to sea, for the past nine years.

Years.	Closing of Navigation.	Opening of Navigation.	Last Departure.	First Arrival.
1879	February 16...	March 2...	January 24...	March 3.
1880	do 4...	April 10...	do 17...	April 13.
1881	January 22...	February 25...	do 19...	do 1.
1882	do 27...	May 2...	do 24...	May 2.
1883	do 19...	March 28...	do 17...	April 1.
1884	do 16...	April 22...	do 16...	do 27.
1885	do 22...	do 24...	February 15...	do 25.
1886	February 28...	do 4...	do 15...	do 15.
1887	do 2...	do 4...	January 27...	do 28.

The harbour buoys were put out during the first week in June, 1887, and taken up 30th December, 1887.

Respectfully submitted,

GEO. B. MOFFATT,

Harbour Master.

APPENDIX No. 9.

REPORT OF THE HARBOUR COMMISSIONERS OF THREE RIVERS FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

SECRETARY'S OFFICE,
THREE RIVERS, 21st January, 1888.

SIR,—I have the honour, by the direction of the Harbour Commissioners of Three Rivers, to forward herewith, for the information of the Honorable the Minister of Marine, statements of the receipts and disbursements of the Commission for the year ended 31st December, 1887. Also, a comparative statement of trade and navigation of the port during the same year.

RECEIPTS AND DISBURSEMENTS.

The receipts were as follows, viz.:—

From Collector of Customs, Three Rivers.

Harbour dues on goods inwards	$299 30	
do do outwards	786 61	
Tonnage dues on vessels	852 35	
Moorage do	66 35	
		$2,004 61

Local Traffic.

Harbour dues on goods inwards	$ 128 04	
do do outwards	345 04	
Tonnage dues on vessels	428 02	
Commutation on goods and vessels	1,086 21	
Rent of wharf and moorage dues	1,190 49	
		$3,177 80
Total receipt		$5,182 41

The expenditure was as follows:—

Salaries of officers	$1,525 00
Printing expenses	42 00
Travelling do	33 40
Rent, office expenses, sundries	696 71

Construction Account.

Wharf No. 1	580 60
do No. 2	332 72
Interest (balance on debentures)	6 00
Total expenditure	$3,216 43

BALANCE SHEET.

DR.

1887.		$ cts.	$ cts	$ cts.
Jan. 1.	Deposit in bank	1,624 74		
	Cash on hand	20 68		
			1,645 42	
Dec 31.	Harbour dues collected	4,069 91		
	Rent of wharf	1,112 50		
			5,182 41	
	Amount at debit:			
	Parties for rent of wharf	466 66		
	do harbour dues	491 09		
			957 75	
				7,785 58

CR.

1887.		$ cts.	$ cts.	$ cts.
Dec. 31.	Expenses for administration	2,297 11		
	Balance of interest on debentures	6 00		
			2,303 11	
	Expenses for harbour works		913 32	
	Amount at credit		957 75	
	Deposit in bank	3,412 02		
	Cash on hand	199 38		
			3,611 40	
				7,785 58

STATEMENT of the Number and Tonnage of Sailing Vessels and Steamers entered Inwards and Outwards, for the Year ended 31st December, 1887.

PORT OF THREE RIVERS.

Return of Vessels Inwards.	No	Tonnage.	Return of Vessels Outwards.	No.	Tonnage.
Total of vessels arrived	28	32,203	Total of vessels cleared	28	32,203
Number of steamers	13	17,122	Number of steamers	13	17,122
do sailing vessels	15	15,081	do sailing vessels	15	15,081
Nationality.			**Nationality.**		
Scandinavian	12	12,332	British	9	10.313
British. 1 sailing vessel	1	1,006	Foreign	19	21,890
British. 8 steamers	8	9,307			
French SS	5	7,815			
Danish	1	1,248			
Argentine Republic	1	495			
Sailing from			**Sailing for**		
British ports	6	7,0~7	British ports	19	21,928
Canadian ports	16	18,975	Canadian ports	6	7,362
Scandinavian ports	6	6,151	French ports	2	2,418
			South America	1	495

OUTPORT OF BAIISCAN.

Arrivals.	8	5,786	Departure.	8	5,786
Scandinavian	6	3,711	Great Britain	7	5,324
Spanish SS	1	1,515	Spain	1	462
Russian	1	560			

LOCAL TRAFFIC.

—	No.	Tonnage.
Bateaux	214	Not registered.
Schooners	40	3,148
Barges	96	10,031
Steamboats	170	20,756
	520	33,935
American barges	49	4,786
	569	38,721

Richelieu and Ontario Navigation Company's boats and local steamboats not included.

STATEMENT of the Number and Tonnage of Sailing Vessels and Steamers entered Inwards and Outwards, &c.—*Concluded.*

RECAPITULATION.

—	No.	Tonnage.
Sea-going vessels, 36.		
Port of Three Rivers	28	32,203
Outport of Batiscan	8	5,786
American barges	49	4,786
Coasting traders	520	33,935
Total	605	76,710

The total amount of lumber shipped during the season was 50,500,000 feet, of which 23,750,000 feet, forming 26 cargoes, went direct to Great Britain, one cargo of 216,000 feet to South America, one cargo of 480,000 feet to Spain, and 17,363,000 feet to the United States. Of the balance 4,275,000 feet were sent to Quebec for transhipment into seagoing vessels, the rest being for home consumption.

The aggregate volume of trade according to Custom house and Consular returns amounted for 1887 to $869,534, divided in:—

Exports	$764,299
Imports	105,235

An augmentation of $130,901 in our exports, while the imports show a diminution of $139,632. This diminution is to be charged to the absence of imports of steel rails, also of pig iron, bread stuffs and provisions, the latter articles being replaced by national and local products.

The exports are divided as follows:—

To the United States.

15,976,229 feet lumber	$148,000	
8,821,000 shingles	21,000	
1,396,828 feet box shooks	23,560	
96,163 pieces railroad ties	16,928	
10,119 do telegraph poles	5,489	
1,066,000 laths, pickets, &c	2,132	
1,700 cords hemlock bark	7,400	
11,614 tons hay	117,000	
9,857 dozen eggs	1,158	
600 bushels oats	180	
870 do potatoes	291	
Furs and skins	1,713	
Horses	860	
Miscellaneous	107,249	
		$453,060

To Great Britain.

12,802,875 feet pine deals	$209,125	
8,167,000 do spruce do	71,008	
2,743,000 do deal ends	16,840	
23,712,875 ft.		
Square birch	928	
3 M. staves	914	
		298,915

To Spain.

480,000 feet lumber	3,164

To South America.

216,000 feet lumber	2,660

To Germany.

Furs	6,500
	$764,299

The imports were as follows:—

From United States.

Machineries, hardware, &c	$10,481	
1,918 tons coals	7,876	
Raw furs, hides, &c	6,925	
Leather and leather goods	3,678	
Dyeing and tanning stuff	2,873	
Breadstuffs and provisions	2,204	
Raw tobacco	3,580	
Silk, woolen and cotton goods	2,363	
52 tons pig iron	1,083	
Platina, silver and brass	1,231	
Books, prints and stationery	698	
Electroplated, jewellery, musical instruments	637	
Manufactures of wood	544	
Drugs, oil, &c	390	
India rubber goods	319	
Miscellaneous	10,598	
		$55,480

From Great Britain.

Raw hides	$16,021	
Leather	1,674	
350 tons salt	895	
Oilcloth and India rubber goods	493	
Woolen goods	138	
Freestone	49	
		19,270

From Lower Provinces.

4,687 tons coal	$18,750	
45 brls. fish	180	
		18,930

From France.

Philosophical instruments	$1,718	
803 galls. brandy	1,372	
Books and stationery	1,224	
Fancy goods	260	
322 galls. wine	199	
Perfumery	31	
Musical instruments	39	
Communion plates	36	
		4,879

From Holland.		
4,150 galls. gin		2,588
From Germany.		
Leather	$1,552	
Linen and clothing	438	
Fancy goods	218	
Plants	21	
		2,229
From Spain.		
2,703 galls. wine		1,374
From Belgium.		
Dressed furs		312
From Palestine.		
Communion plates	$110	
Beads and ornaments	43	
		153
From Norway.		
Anchovies		20
Total		$105,235

I have the honor to be, sir,

Your obedient servant,

GEORGE BALCER,

Secretary Three Rivers Harbour Commissioners.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

APPENDIX No. 10.

TABLE showing the names of Ports proclaimed under certain Dominion Acts, the provisions of which are found in Chapter 86, Revised Statutes of Canada, for the appointment of Harbour Masters; the dates of proclamation; the names of the Harbour Masters appointed; the dates of the appointment of Harbour Masters; the amount which each of their Salaries is not to exceed; the amount of Fees collected by each of them during the Calendar Year ended 31st December, 1887, and the overplus, if any, paid into the credit of the Receiver-General.

PROVINCE OF ONTARIO.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				$ cts.	$ cts.	$ cts.
Collingwood	3 March,'77	Andrew Lockerbie	3 March,'77	200 00	178 00	.....
Goderich	28 April, '76	Thomas N. Dancy	22 April, '76	300 00	85 50	.....
Midland	22 July, '82	E. Polkinghorn	22 July, '82	200 00	172 00	.....
Parry Sound	24 March,'83	John Galna	19 March,'83	200 00	72 50	.....
Penetanguishene	2 Feb., '77	Francis Densome	3 June, '81	200 00	15 50	.....
Port Arthur	12 May, '84	Wm. F. Davidson	12 May, '84	400 00	109 50	.....
Rondeau	4 May, '78	Thomas Harrison	4 May, '78	100 00	73 00	.....
Southampton	23 Sept., '75	W. H. Johnston	27 Sept., '82	100 00	67 50	.....
Sarnia	25 July, '85	Robt. McAdam	3 May, '86	300 00	.....	.....

PROVINCE OF QUEBEC.

Amherst	14 Sept., '78	John Cassidy	2 Sept., '78	200 00	12 50	.....
Carleton	8 Dec., '81	Joseph H. Landry	8 Dec., '81	200 00	.....	.....
Chicoutimi	17 June, '85	Ainsworth Sturton	8 June, '86	200 00	82 00	.....
Gaspé	25 Sept., '74	Joseph Eden	22 Sept., '74	500 00	97 50	.....
Matane	19 Oct., '77	D. F. St. Aubin	12 June, '80	200 00	26 50	.....
Métis	7 Feb., '78	P. F. Leggatt	7 Feb., '78	200 00	41 50	.....
New Richmond	15 April, '82	Henry Leblanc	3 April, '82	200 00	26 50	.....
Oak Bay	27 March,'80	Jas. D. Sowerby	22 March,'80	200 00	.....	.....
Paspebiac	12 May, '77	Hugh Christie	22 May, '77	150 00	26 50	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Continued.*

PROVINCE OF QUEBEC—*Concluded.*

Name of Ports.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				$ cts.	$ cts.	$ cts.
Rimouski	5 March, '77	Jos. St. Laurent	30 May, '78	200 00	19 50	.....
Rivière Ouelle	22 July, '82	Achilles Fraser	22 July, '82	100 00	.....	.....
St. Thomas	2 Jan., '86	Eug. Hammond	21 Dec., '85	200 00	67 00	.....
St. John's	Within the Harbour of Montreal.	Jos. E. Pinsonneault	10 May, '79	500 00	503 00	3 00
Sorel		Pierre Bellefeuille	20 April, '75	300 00	332 50	32 50

PROVINCE OF NEW BRUNSWICK.

Bathurst	30 May, '73	James Andrew	23 March, '81	200 00	106 50	.....
Black's Harbour and Beaver Harbour	22 Sept., '83	E. W. Cross	17 Sept., '83	100 00	12 50	.....
Buctouche	30 May, '73	James Keswick	28 May, '83	100 00	20 00	.....
Campbelltown	30 May, '73	William Mott	9 July, '73	200 00	26 50	.....
Campobello	30 May, '73	John Benjamin Beatty	7 July, '73	100 00	23 00	.....
Caraquet	30 May, '73	Louis Poirier	17 April, '83	150 00	22 50	.....
Chatham	30 May, '73	Wm. Johnston	25 June, '79	300 00	327 50	27 50
Cocagne	30 May, '73	John Brooks	7 July, '73	100 00	.....	.....
Dalhousie	30 May, '73	James Moffatt	5 April, '83	200 00	112 50	.....
Dorchester	30 May, '73	Joshua King	9 July, '75	200 00	.....	.....
Fredericton	30 May, '73	Vacant	.....	.....	.....	.....
Grand Manan	18 Sept., '76	James A. Pettis	18 Sept., '76	100 00	.....	.....
Great Shemogue	17 May, '75	John Avard	10 May, '75	100 00	.....	.....
Harvey	30 May, '73	H. E. Graves	8 July, '84	100 00	11 00	.....
Hillsborough	30 May, '73	Nehemiah Bennett	21 Jan., '87	150 00	67 50	.....
Ledge of St. Stephens	30 May, '73	Charles Young	22 April, '76	100 00	4 50	.....
Letete, &c.	22 Sept., '83	Jos. Chambers	17 Sept., '83	100 00	4 00	.....
Little Shippegan and Miscou Gully	1 May, '86	Donald Harper	19 pril, '86	100 00	.....	.....
Moncton	30 May, '73	Vacant	.....	.....	.....	.....
Musquash	26 March, '74	Samuel Hayward	26 March, '74	100 00	.....	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Continued.*

PROVINCE OF NEW BRUNSWICK—*Concluded.*

Name of Ports.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				$ cts.	$ cts.	$ cts.
Newcastle	30 May, '73	John Niven	7 July, '73	300 00	163 00	.....
North Joggins	30 May, '73	Vacant	.....	.....	.....	.....
Port Elgin & Baie Verte	6 Feb., '73	Jacob Silliker	6 Feb., '78	200 00	59 50	.....
Pokemouche	7 July, '83	Vital Lousier	23 June, '83	100 00	.....	.....
Richibucto	30 May, '73	James Alexander Jardine	11 May, '74	200 00	102 00	.....
Rockland	30 May, '73	Vacant	.....	.....	.....	.....
Sackville	30 May, '73	do	.....	.....	.....	.....
St. Andrews	30 May, '73	John Wren	6 May, '84	100 00	64 50	.....
St. George	30 May, '73	Alexander Dick	29 Aug., '84	100 00	43 50	.....
St. Martin's and Quaco.	14 May, '74	Joseph Carson	14 May, '74	100 00	10 50	.....
Shediac	30 May, '73	Alexander McQueen	19 May, '76	300 00	94 00	.....
Shippegan	30 May, '73	John De Grace	10 Aug., '80	100 00	9 00	.....
Tracadie	7 May, '74	Vital Arceno	9 July, '75	100 00	2 00	.....
West Isles	4 Feb, '79	Thos. K. Parker	4 Feb., '79	200 00	1 50	.....

PROVINCE OF NOVA SCOTIA.

Advocate	15 May, '80	Samuel Morris	10 May, '80	100 00	.....	.....
Annapolis	12 March, '75	William Cummings	16 May, '79	200 00	.....	.....
Apple River	14 Aug., '86	Wm. S. Tait	5 Aug, '86	200 00	22 50	.....
Arichat	22 April, '79	Francis Marmeau	6 May, '84	200 00	62 50	.....
Baddeck	23 Sept., '75	Stephen Atwater	15 Sept., '75	100 00	7 50	.....
Barrington	10 July, '82	Thos. Banks	23 Nov., '85	200 00	42 50	.....
Bayfield	11 July, '79	John McDonald	11 July, '79	200 00	1 50	.....
Bay St. Lawrence	21 April, '87	G. Zwicker	21 April, '87	200 00	Nil.	.....
Bear River	25 Sept., '74	William Fenwick Hennigar	22 Sept., '74	100 00	39 00	.....
Beaver Harbour	24 July, '80	Leonard Jewers, sen.	5 July, '80	100 00	17 50	.....
Big Harbour	9 June, '83	Donald McKenzie	28 May, '83	100 00	.....	.....
Bourgeois	1 May, '86	E. C. Bouchie	19 April, '86	100 00	13 50	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				$ cts.	$ cts.	$ cts.
Bridgewater	6 May, '74	Joseph Robins Wyman	6 May, '74	100 00	42 00	.....
Bras d'Or, including New Campbelltown.	6 May, '74	Francis Dunlap	6 May, '74	200 00	6 00	.....
Cape Canso	6 June, '76	William Walsh	6 June, '76	100 00	63 50	.....
Cape Negro or North-East Harbor	18 May, '81	A. D. Perry	18 May, '81	200 00	41 00	.....
Chester	8 Sept., '83	Arch. Evans	4 Aug., '83	100 00	17 00	.....
Cheticamp	20 April, '76	Fulgence Ancoin	15 April, '76	100 00	3 50	.....
Clarke's Harbour	1 June, '81	J. B. Brannen	1 June, '81	200 00	21 50	.....
Clementsport	1 May, '77	Thomas Tracey	1 May, '77	100 00	14 50	.....
County Line to Grand Narrows	9 June, '83	Hugh Campbell	28 May, '83	100 00	2 00	.....
Cow Bay	3 March, '79	Hector McDonald	3 March, '79	400 00	205 50	.....
D'Escousse	23 Jan., '85	Philip Culliton	12 April, '86	100 00	32 50	.....
Digby	19 Feb., '78	James A. Hughes	19 Feb., '78	300 00	34 50	.....
East Bay	25 Aug., '83	Donald McInnis	5 April, '86	100 00	.....	.....
Gaberouse	3 March, '79	John Wm. Hardy	2 Nov., '86	100 00	1 50	.....
Glasgow and Cape Breton Pier	30 Oct., '80	Angus McQuarrie	30 Oct., '80	300 00	241 00	.....
Greville	13 March, '80	James E. Hatfield	5 March, '80	200 00	12 00	.....
Halifax	No proclamation required by Act	Edward O'Bryan	18 March, '80	1,800 00	1,718 00	.....
Hantsport	27 June, '84	Edward Davison	27 June, '84	200 00	247 00	47 00
House Harbour	9 Aug., '87	Peter Bourgne	9 Aug., '87	200 00	.....	.....
Ingonish, North Bay of	22 March, '81	William Thompson	24 March, '81	200 00	0 50	.....
Ingonish, South Bay of	9 Oct., '84	F. C. Brewer	9 June, '86	100 00	13 50	.....
International Harbour	30 Oct., '80	Michael Neville	30 Oct., '80	300 00	298 50	.....
Jordan Bay	25 Oct., '76	Matthew Drips McKenzie	25 Oct., '76	150 00	10 00	.....
LaHave or Getson's Cove	12 March, '75	George Henry Zwicker	25 Feb., '75	300 00	35 00	.....
L'Ardoise, Upper and Lower	22 Aug, '84	George Burke	29 Aug., '84	100 00	4 50	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				$ cts.	$ cts.	$ cts.
Lingan	12 July, '81	Thomas Laffin	12 July, '81	200 00	Nil.	.....
Liscombe	18 May, '81	George Crooks	18 May, '81	200 00	21 50	.....
Little Glacé Bay	3 Aug., '74	E. Douglas Rigby	8 May, '84	200 00	274 50	74 50
Little Narrows and Cranberry Pt.	9 June, '83	Norman Matheson	23 May, '83	100 00	3 00	.....
Liverpool	19 Jan., '77	Wm. A. Kenney	19 Jan., '77	200 00	132 00	.....
Lockeport	18 May, '81	E. A. Capstick	18 May, '81	200 00	87 50	.....
Louisburg	17 March, '79	Louis Dickson	5 Oct., '87	200 00	Nil.	.....
Lunenburg	3 Dec., '75	William Henry Begg	3 Dec., '75	150 00	80 00	.....
Mabou	17 July, '80	Finlay Rankin	23 June, '80	100 00	1 00	.....
Mahone Bay	16 May, '87	W. A. Pickles	16 May, '87	200 00	4 00	.....
McNair's Cove	12 March, '75	Ronald McEachen	8 March, '75	150 00	.....	.....
Main à Dieu	31 July, '86	John Farrell	21 July, '86	100 00	7 50	.....
Maitland	26 May, '85	Jacob E. Cann	26 May, '85	100 00	.....	.....
Margaretsville	26 March, '78	Robert Earley	26 March, '78	100 00	.....	.....
Margaret's Bay	16 July, '75	Francis Peter Boutillier	9 July, '75	100 00	43 50	.....
Margaree	12 June, '86	John C. Munroe	5 June, '86	100 00	3 00	.....
Merigomish	26 March, '78	W C. Olding	26 March, '78	100 00	2 50	.....
Meteghan River	10 Feb, '83	Urbain Doucette	31 Jan., '83	100 00	26 50	.....
Mill's Harbour	9 June, '83	A. Hayman	28 May, '83	100 00	.....	.....
Musquodoboit	19 May, '82	David Williams	19 May, '82	100 00	.....	.....
Neil's Harbour	28 April, '76	Angus Buchanan	11 April, '76	100 00	.....	.....
New Haven	9 June, '83	Francis Payne	28 May, '83	100 00	Nil.	.....
Northport	27 June, '82	John Burns	27 June, '82	100 00	52 00	.....
Northwest Cove, Coleman's Cove and Aspotogan Harbour	22 Dec., '76	William Murphy	20 Dec., '76	200 00	Nil.	.....
Parrsboro'	22 Oct., '73	Edward Walter Beaty	22 Oct., '73	200 00	199 50	.....
Petite Rivière Bridge	7 July, '83	Alex. D. Park	23 June, '83	100 00	2 00	.....
Plaster Harbour	6 May, '74	Donald Fraser	6 May, '74	200 00	.....	.....
Port George	1 May, '77	Chas. B. Weaver	1 May, '77	150 00	5 00	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Continued.*

PROVINCE OF NOVA SCOTIA—*Concluded.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				$ cts.	$ cts.	$ cts.
Port Hawkesbury	16 July, '75	Daniel Henesey	9 July, '75	200 00	111 50	.....
Port Hood	16 July, '75	John Murphy, jun	9 July, '75	200 00	4 00	.....
Port LaTour	14 April, '81	Wm. Nickerson	14 April, '81	200 00	7 00	.....
Port Lorne	27 March, '86	Samuel Beardsley	13 March, '86	200 00	2 50	.....
Port Mulgrave	8 March, '76	Duncan Gillis	23 March, '83	200 00	89 00	.....
Port Medway	25 June, '79	John W. Hutt	19 April, '84	200 00	24 00	.....
Pubnico	27 Sept., '82	D. Q. Amireau	27 Sept., '82	100 00	38 00	.....
Pugwash	22 Oct., '73	A. A. Stevens	22 Oct., '73	100 00	29 50	.....
Ritcey's Cove	29 Sept., '84	Joseph Ritcey	29 Sept., '84	100 00	48 50	.....
River John	26 March, '78	Henry Heighton	29 Oct., '79	100 00	2 00	.....
St. Ann's, including Fucher Cove	20 April, '81	James McKillop	28 May, '83	200 00	27 50	.....
St. Mary's River	18 May, '81	James G. Pride	18 May, '81	200 00	6 00	.....
St. Peter's	24 Jan., '81	Peter McNeill	17 Sept., '83	200 00	50 50	.....
Sambro	27 Dec., '79	Joseph Martin	23 Dec., '79	200 00	.....	.....
Sheet Harbour	14 May, '74	Malcolm McFarlane	6 Dec., '83	150 00	61 00	.....
Shelburne	27 Aug, '77	John A. McGowan, jun	22 Jan., '80	200 00	165 50	.....
Ship Harbour	2 June, '84	Conrad Marks	2 June, '84	100 00	6 50	.....
Smith's Mountain	9 June, '83	James McGillot	28 May, '83	100 00	.....	.....
Tatamagouche	27 Feb., '78	Samuel Hingley	18 March, '87	200 00	3 50	.....
Tidnish	5 July, '82	Charles Fields	30 June, '84	100 00	18 00	.....
Torbay and Whitehaven	18 May, '81	O. N. Feltmate	18 May, '81	200 00	52 50	.....
Tusket	18 March, '75	Chas. W. Hatfield	7 March, '87	100 00	4 50	.....
Victoria Pier, Sydney	25 July, '81	York H. Barrington	25 July, '84	200 00	131 50	.....
Wallace	22 Oct., '73	Chas. E. Kerr	28 July, '85	100 00	10 00	.....
West Bay	8 May, '84	John McInnes	8 May, '84	100 00	Nil.	.....
West Port	8 March, '87	Jos D. Payson	8 March, '87	200 00	Nil.	.....
Whycocomagh	29 Oct., '75	Neil McKinnon	8 Oct., '75	100 00	4 50	.....
Yarmouth	18 March, '75	Ebenezer Scott	19 Oct., '77	250 00	225 00	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Continued.*

PROVINCE OF PRINCE EDWARD ISLAND.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				$ cts.	$ cts.	$ cts.
Alberton	15 July, '74	George Wells	17 June, '74	200 00	19 50	.....
Bay Fortune	10 April, '75	John R. Coffin	29 April, '78	200 00	.....	.....
Cape Traverse	23 May, '84	Philip Irving	23 May, '84	100 00	.....	.....
Cardigan River, including Cardigan Bridge.	2 July, '78	Hercules McDonald	2 July, '78	200 00	.....	.....
Cardigan River, from head of river to north bank Mitchell River	2 July, '78	Allan Campbell	14 June, '83	200 00	.....	.....
Cove Head	15 May, '80	Jas. D. McMillan	15 May, '80	100 00	.....	.....
Charlottetown	15 July, '74	David Small	17 June, '74	400 00	220 50	.....
Crapaud	15 July, '74	Wesley Myers	17 June, '74	200 00	4 00	.....
Egmont	15 July, '74	Alexander McArthur	17 June, '84	200 00	.....	.....
Georgetown	15 July, '74	Samuel Hemphill	1 Dec., '87	200 00	4 50	.....
Grand River	10 April, '75	Ronald S. McDonald	10 April, '75	200 00	.....	.....
Grand River, down to and including Poplar Point and Chapel Wharf	10 April, '75	John McMullen	16 May, '79	200 00	.....	.....
Hillsborough River	24 March, '81	John Kelly	24 March, '81	200 00	.....	.....
Malpeque	10 July, '74	Alex. Thomson	5 April, '87	200 00	27 00	.....
Miminegash	17 April, '80	Richard McElroy	12 April, '80	100 00	0 50	.....
Montague Bridge	15 July, '74	Daniel C. Campbell	17 June, '74	200 00	5 00	.....
Murray River	15 July, '74	Hugh McKay	8 May, '84	200 00	14 50	.....
Murray Harbour	15 July, '74	Wm. Millar	17 June, '74	200 00	.....	.....
New London	15 July, '74	George Mackenzie	17 June, '74	200 00	3 50	.....
North Pinette	15 July, '74	Neil McLeod	17 June, '74	200 00	.....	.....
Port Hill	15 July, '74	James Ellis	17 June, '74	200 00	2 00	.....
Pownal	10 July, '79	A. A. Moore	10 July, '79	100 00	1 00	.....
Rollo Bay	10 April, '75	L. D. Chaisson	28 July, '85	200 00	Nil.	.....
Rustico	17 May, '75	Geo. W. McKay	12 April, '81	200 00	4 00	.....
St. Peter's Bay	10 April, '75	Vacant	.....	.....	.....	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—*Concluded.*

PROVINCE OF PRINCE EDWARD ISLAND—*Concluded.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receive.-General.
				$ cts.	$ cts.	$ cts
Souris, East and West..	10 April, '75	John McCormack	25 April, '79	200 00	84 50	.....
Summerside	15 July, '74	Ronald Campbell	17 June, '74	200 00	3 50	.....
Tracadie	17 May, '75	Donald Campbell	31 Jan., '81	200 00	Nil.	.....
Tryon	12 April, '77	Alexander Howatt	12 April, '77	200 00	Nil.	.....
Vernon River Bridge	19 May, '74	John Finlay	9 Oct., '84	200 00	3 50	.....
West River	17 May, '75	Vacant	.....	.....	.....	.....

PROVINCE OF BRITISH COLUMBIA.

Burrard Inlet	4 Dec., '76	Isaac Johns	4 Dec., '76	400 00	313 50	.....
Nanaimo	10 April, '75	E. Quennell	24 Oct., '84	500 00	510 50	10 50
New Westminster	23 Jan , '80	Jas. N. Draper	18 Aug., '86	400 00	24 00	.....
Quadra	17 April, '77	John Kenny	17 April, '77	300 00	.....	.....
Victoria and Esquimalt	20 March,'75	W. R. Clarke	23 March,'81	600 00	289 50	.....

WM. SMITH,
Deputy Minister of Marine.

OTTAWA, 1st January, 1888.

APPENDIX No. 11.

REPORT OF THE PILOTAGE DISTRICT OF MONTREAL, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HARBOUR COMMISSIONERS OF MONTREAL,

SECRETARY'S OFFICE,

MONTREAL, 23rd January, 1888.

SIR,—I have the honor, by direction of the Harbour Commissioners of Montreal, as the Pilotage Authority, to transmit, for the information of the Honorable the Minister of Marine and Fisheries, the annual report of the Pilotage District of Montreal, for the year ended the 31st December, 1887.

By By-law the number of active licensed Pilots is at present forty-five.

On the 20th May, Messrs. Gédéon Groleau, of Grondines, and Nérié Belisle, of Deschambault, were licensed as pilots to fill vacancies on the list, caused by the superannuation of Pilot Adolphe Lisé at end of 1886, and the continued absence of Pilot Damase Caien whose whereabouts were unknown. The latter on 31st August was again allowed to resume piloting, which accounts for the list showing 46 names, besides that of the Superintendent.

There were no deaths or superannuations of pilots during the year, and there was no increase in the number of apprentice pilots.

Messrs. Liboire Perrault and Wilfred Raymond passed their examination in May, 1884, and will be licensed when vacancies occur.

The following is a list, giving the name and age of each Branch Pilot for and above the Harbour of Quebec, acting under the authority of the Harbour Commissioners of Montreal, with the earnings of each for the season of 1887:—

No.	Name.	Age.	Earnings.	Remarks.
			$ cts.	
1	Léveillé, Joseph	70	.....	Superintendent of Pilots.
2	Bouillé, Zepherin	59	1,432 50	
3	Béllisle, Cyrille	60	692 77	
4	Raymond, George	58	892 57	
5	Naud, Augustin	61	856 25	
6	Bellisle, H. A	57	534 81	
7	Dufresne, A	54	1,336 37	
8	Gagnon, Pierre	60	1,203 11	
9	Bellisle, George	48	505 85	
10	Naud, Onésime	47	1,558 63	
11	Hamelin, J. O	54	1,513 75	
12	Chandonnet, Jos	47	1,716 46	
13	Bouillé, Louis A	48	1,128 65	
14	Beaudet, Prudent	46	1,629 02	
15	Bellisle, Elzéar	53	561 80	
16	Pleau, Joseph	50	860 56	
17	Brunet, Celestin	45	1,702 72	
18	Bellisle, Louis	42	1,685 60	
19	Caien, Damase	47	268 75	Suspended on 20th May, pending enquiry; reinstated 31st Aug.

LIST giving the Name and Age of each Branch Pilot, &c.—*Concluded.*

No.	Name.	Age.	Earnings.	Remarks.
			$ cts.	
20	Groleau, Urbin	40	702 58	
21	Frenette, Alfred	48	1,091 55	
22	St. Armand, Alfred	44	555 40	
23	Bélanger, Phillipe	49	1,058 12	
24	Gagnon, Victor	49	672 09	
25	Perrault, Narcisse	50	1,680 18	
26	Toupin, Treflé	40	629 74	
27	Auger, Oléophas	41	1,614 80	
28	Desjordy, François	43	573 79	
29	Labranche, Ferdinand	42	1,181 73	
30	Perrault, David	46	1,298 12	
31	Gauthier, Alexis	41	1,215 56	
32	Bouillé, L. Z	39	1,383 29	
33	Toupin, Joseph	38	1,666 36	
34	Gauthier, Laurent	38	1,567 64	
35	Arcand, Jean	35	975 50	
36	Nault, Delovoie	36	1,858 11	
37	Gauthier, Wilbrod	36	1,382 44	
38	Mayrand, Louis	40	707 56	
39	Dufresne, George	39	776 19	
40	Arcand, Nestor	32	1,181 50	
41	Arcand, Norbert	35	1,020 77	
42	Toupin, Uldoric	33	774 54	Suspended on 15th Nov. till 30th Nov., 1888.
43	Bouillé, Tancrède	34	923 87	
44	Nault, John	31	1,433 10	
45	Dussault, Joseph	32	1,465 82	
46	Groleau, Gédéon	33	610 82	
47	Bellisle, Néré	34	487 68	
	Total		50,569 02	

The foregoing amount was received from the following services, viz.:—

British.

Steamers	$37,951 54	
Sailing vessels	6,104 29	
		$44,055 83

Foreign.

Steamers	$ 2,916 69	
Steamers in coal trade	2,862 57	
Sailing vessels	733 93	
		6,513 19
Total		$50,569 02

The following list shows the name, age, and residence of each apprentice pilot serving his time under the authority of this Trust:—

No.	Name.	Age.	Residence.
1	Lebovir Perrault	38	Deschambault.
2	Wilfred Raymond	33	do
3	Alphonse Cossette	39	Champlain.
4	Hubert Perrault	38	Montreal.
5	Audilon Portelance	34	Grondines.
6	Joseph Hurteau	27	Contrecœur.
7	Adolphe Richard	39	do
8	Joseph Langlois	32	Pointe aux Trembles (*en bas*).
9	Edouard Perrault	37	Deschambault.
10	Lydoric Bouille	30	do
11	Elié Bouillé	28	do
12	N. Edson Angers	37	do
13	Honore Dusseau	34	do
14	Narcisse Paquet	33	do
15	Jean Baptiste Nadeau	29	Lévis.
16	Arthur Brièvc	30	Portneuf.
17	Aubert Naud	33	Deschambault.
18	J. Sifroy Labranche	31	Portneuf.
19	Alexis Perrault	25	Deschambault.

Of the above several are believed to have left the country and several to have given up serving their apprenticeship.

The list will probably be revised and new names added during 1888.

There will also likely be an examination for apprentices who have fulfilled all the requirements of the by-laws.

There were during the season several casualties to vessels, and the Commissioners were called together to investigate the following ones, complaints having been made against the several pilots in charge by the masters of the different vessels.

The particulars of these are as follows:—

On 27th July, Pilot Hubert Bellisle was summoned to answer a charge by Capt. G. W. Hunter, of the SS. "Cotherstone," that he had caused this vessel to strike at Cap Charles on the 17th June, and to ground below Longue Pointe on the 18th June, on her passage from Quebec.

Having heard the evidence and considered the same, the Board agreed to dismiss the complaint, there being no evidence to establish any neglect of duty on the part of the pilot.

On 1st August on the complaint of Capt. Lindall, an investigation was held into an accident to the SS. "Vancouver" on 26th June, in the vicinity of Cap Charles. Pilot Ferdinand Làbranche was charged with having caused her to touch the ground heavily, from which she had received serious damage.

In this case also the Board adjudged that the charge against the pilot respondent made by the complainant was not sustained by the evidence and that the complaint be dismissed.

On 12th August the Board again met to consider the grounding of the SS. "Bonnington" opposite Varennes on 4th August, while in charge of Pilot Gédéon Groleau.

Having heard Capt. Burkill's statement and the evidence of others, the decision was "that the pilot was blameable but there being no sworn complaint against him, the Commissioners could not proceed further."

On 15th November an investigation was held into the grounding of the SS. "West Cumberland" on the 9th instant, nearly opposite Ste. Croix, and then at Grondines.

The complaint against Pilot Uldorie Toupin, who was in charge, was that he had been guilty of a breach and dereliction of his duty, and had caused the said vessel serious damage.

The evidence was taken under oath, and the respondent was represented by counsel.

The case having been deliberated upon, it was decided that the pilot was guilty and should be suspended until the 30th November, 1888.

The following is the tariff of pilotage now in force in the Pilotage District of Montreal:—

Quebec to Montreal and *vice versa*.	Upwards.	Downwards.
	$ cts.	$ cts.
Pilotage of vessels in tow of steamers, for each foot of draft of water	2 00	2 00
Pilotage of vessels propelled by steam, for each foot of draft of water	2 50	2 50
Pilotage of vessels under sail, for each foot of draft of water	4 20	2 80
Moving a vessel from one wharf to another, in the harbour of Montreal, or from foot of St. Mary's Current into the harbour	5 00	5 00

The amount received by the Harbour Commissioners as the Pilotage Authorities of the District, was as follows:—

For poundage, 5 per cent. on the earnings of pilots	$2,507 24
do Three Rivers, 1887	74 83
do Sorel, 1886 and 1887	46 20
For sundry poundage	17 92
For interest on investments	2,399 32
	$5,045 51

The disbursements for pensions to old and infirm pilots, and widows of pilots were $3,070.53.

I have the honor to be, Sir,

Your obedient servant

ALEXANDER ROBERTSON.

Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

REPORT UPON THE MAINTENANCE OF BUOYS AND BEACONS ON THE SHIP CHANNEL BETWEEN MONTREAL AND QUEBEC FOR 1887.

MONTREAL, 31st January, 1888.

DEAR SIR,—I beg to report as follows upon the maintenance of the buoys and beacons of the ship channel between Montreal and Quebec during the navigation season of 1887.

The buoys and beacons were, as usual, maintained by the Commissioners' officers and steamers, but with some little change in the arrangement of the service.

In maintaining the buoys in recent years it has been customary to take a steamer off the Commissioners' dredging fleet, at intervals throughout the summer, and make a tour of all the buoys, taking several days to the trip, and repairing or changing any buoys that require it; and then to allow them to stand with as little

work as possible till the next general tour. In consequence of the dredges of the ship channel being now worked night and day, instead of only by day as before, this could not be continued without seriously delaying the dredges. To avoid such delay, as well as to render the buoy maintenance more efficient by making the repairing more nearly continuous, the system has been somewhat changed. The buoy service has been more completely combined with the surveying and testing of the channel by arranging that the engineers in charge of the latter shall also maintain the buoys, and that in their running up and down the channel, for any purpose, the condition of the buoys should always be carefully watched and any needed repairs or adjustments promptly made.

Any of the Commissioners tugs have also been called upon for extra service as needed, the maintenance of the buoys always having precedence of other work.

The arrangements as regards boats, though not all that could be desired, is the best which circumstances would allow, and it has resulted in the buoys being put into very good order early in the summer, and their being maintained in excellent condition till the close of navigation.

Derangements and damages were very frequent, but repairs were, as a rule, promptly made; two or even three steamers having been called to work simultaneously at different parts of the river when needed.

Besides the continual inspection of buoys by the surveying steamers in passing up and down the river, an aggregate of over a thousand stops were made for adjustments, repairs, replacing &c., making an average of nearly four workings to every buoy throughout the summer.

On the 3rd of May, or as soon as the floating ice permitted, two steamers were sent out to commence setting the buoys, one taking the part of the river above Sorel and the other the part below. By the 4th of May such buoys were set as are necessary to enable the first ships to reach Montreal safely in the high water of spring, and in a few days later all the usual buoying of the channel was completed.

The next heavy part of the work occurred in June and July, when over half of all the wooden buoys in the river were taken up in turn and replaced by larger ones, floating higher and showing better. Others at the more important places, such as at ends of curves, were replaced by large iron buoys.

At Pouillier Rayer, a newly dredged channel, running straight through the shoal from Cap à la Roche to Cap Charles, was buoyed out and opened to navigation on 13th July.

At the head of Lake St. Peter, a change in the line of channel, giving better water was made on 14th October and new buoys were placed to mark it out. Several new buoys have also been set in other places, to mark out shoals found in surveying, or in accordance with suggestions from experienced pilots.

In all fourteen buoys have been added to those of former years. Twelve screw anchors, with buoys attached, were carefully put down in Lake St. Peter last winter in order to secure accuracy of alignment in the channel and to facilitate the placing of the other buoys in summer.

The "balizing" of the spar buoys (or putting of bushes on them) to make them more conspicuous in the autumn smoke and fog, was commenced on 9th August, and the balizes were maintained during the remainder of the season.

The large shore beacons at Grondine Point, upper Grondine line and Sainte Anne de Sorel were renewed, and several others were repaired and painted.

The taking up of such buoys as could be spared before the close of navigation was commenced on 20th November. The general taking up of the buoys was commenced on the 28th November, on which the last ocean vessel passed down, and was finished on the 30th; three steamers being employed in the work.

The number of buoys in use in the channel near the close of navigation was:—

Spar buoys—wooden	177
Cone and cylinder buoys—steel and iron	35
Total	212

The stock of wooden buoys ashore in reserve has been largely increased, so that there may be always on hand a sufficient number of large buoys being dried out to replace those becoming waterlogged by use.

The spare buoys now on hand are:—

Spar buoys—cedar	266
Cone and cylinder buoys—steel and iron	4
Total	270

The cost of the service for 1887 was $13,669, which is much higher than that of recent years, by reason of the changes and improvements made and the increased number of buoys in use and in reserve.

The comparison is as follows:—

1884	$ 8,199
1885	10,337
1886	7,624
1887	13,669

Appended are abstract tables of details connected with the service.

Yours respectfully,

JOHN KENNEDY,

Chief Engineer.

ALEXANDER ROBERTSON, Esq.,
Secretary Harbour Commissioners of Montreal.

ABSTRACT of Steamers' time employed in the Maintenance of Buoys and Beacons during season of 1887.

Months.	Time of Service.			Remarks.
	Buoys. Days.	Beacons Days.	Total days.	
May	25½	3½	28½	Commenced placing buoys 3rd May.
June	12¼	.....	12¼	
July	16¼	¾	17¼	
August	16¾	1¾	18½	
September	12½	.....	12½	
October	9½	.....	9½	
November	17¾	¼	18	Finished taking up buoys 30th November.
Totals	110½	6	116½	

STEAMERS employed in the Maintenance of Buoys and Beacons, and service of each.

Name of Steamer.	Time of Service. Buoys. Days.	Beacons Days.	Total days.	Remarks.
St. James	72¾	2½	75¼	Working season from 2nd May to 30th November, 184 days, not including Sundays.
McNaughton	3	.....	3	
John Pratt	26½	3½	29¾	
St. Francis	5½	.....	5½	
St. Peter	1¼	.....	1¼	
St. Louis	1¾	.....	1¾	
Totals	110½	6	116½	

TABLE showing number of Buoys on the Ship Channel, near the close of navigation and details of work of maintenance for season of 1887.

Locality.	Number of Buoys. Wood.	Iron.	Number of Times Worked at. Entirely lost and replaced by another buoy.	Found lying flat and replaced by another buoy.	Found too low and replaced by another buoy.	Ballast adjusted.	Found dragged out of position and corrected.	Balized.	Totals.
Pointe aux Trembles (*en bas*) to Three Rivers	38	18	10	6	19	15	9	71	251
Three Rivers to Sorel	65	6	11	15	63	26	11	124	392
Sorel to Montreal	74	11	7	5	57	15	11	141	423
Totals	177	35	28	26	139	56	31	336	1,066

TABLE showing new Buoys placed in entirely new positions during season of 1887.

Date.	Locality.	Number of buoys.	Colour.	Description.	Remarks.
May 21	Head of Richelieu Rapids	1	Red	Iron	Temporary buoy in place of balizes.
July 13	Pouillier Rayer	3	Black	do	New channel.
do 13	do	1	Red	do	do
do 18	Bécancour	1	Black	Wood	Lower end of channel.
do 21	Pouillier Rayer	1	Red	do	New channel.
do 29	Bécancour	1	Black	do	Upper end of channel.
Sept. 8	Pouillier Rayer	1	Red	do	New channel.
do 19	Nicolet Traverse	1	do	do	Opposite English Bank.
Oct. 4	Lake St. Peter	2	Black	do	Between Stone Island and head of Ile aux Raisin Traverse.
do 10	Nicolet Traverse	1	do	do	Between English Bank and No. 3 Lightship.
do 26	Nicolet	1	do	do	Between Iron Shoal and Force Shoal.

APPENDIX No. 12.

REPORT OF THE QUEBEC HARBOUR COMMISSIONERS AS PILOTAGE AUTHORITY FOR THE YEAR, 1887.

QUEBEC, 10th January, 1888.

SIR,—In compliance with the requirements of Section 24, of the "Pilotage Act," 36th Victoria, Chapter 54, I have the honour to submit the following report of the Quebec Harbour Commissioners as Pilotage Authority for the year 1887.

The operations of the year opened on the 27th April by the departure of nine pilots who were dispatched *viâ* the Intercolonial Railway for the purpose of boarding, at Bic, the pilot schooner No. 4, which had wintered there. On the 3rd May six pilots left by the same conveyance to board the same schooner at Rivière du Loup Wharf. On the same day Schooner No. 5 left Quebec with twenty-one pilots and was followed on the 6th of the same month by Schooner No. 1 with thirty pilots. During the remainder of the month fifty-one pilots were conveyed by the cars to Rivière du Loup for the purpose of boarding the schooners.

As heretofore, all the pilot stations have been supplied with pilots during the season through the Intercolonial Railway and the pilot schooners, and the service has been performed to the satisfaction of the Commissioners.

OLD PILOTS.

Under section 36 of the "Pilotage Act" all the old pilots, thirty in number, who had attained the age of 65 and over were brought before the Pilotage Authority before the opening of navigation, in order to establish whether they could or could not continue in the exercise of their duties for the ensuing year. They were all found able to perform their duties and their licenses were consequently renewed for one year.

PENSION LIST.

Three pilots, Charles Nolet, Charles Dumas and François Noël, have been pensioned during the year at their own request. On being superannuated Nolet had reached the age of 83 and had been in active service during 56 years. Dumas had attained his 71st year and had exercised his duties for the space of 48 years, and Noël had completed his 77th year and had been 47 years in active service.

TRIALS.

Five pilots have been tried during the season of navigation on complaints lodged by ship masters, one on complaint lodged by the Corporation of Pilots, and one under 45th Victoria, chapter 32, section 4.

One of the statements accompanying this report conveys all the particulars as to the nature of the complaint and the result of the trial in each case.

SURVEY OF THE NORTH AND SOUTH CHANNELS OF THE ST. LAWRENCE BY THE APPRENTICE PILOTS.

The trial held last fall, of the Pilot Arthur Bouffard for grounding the SS. "West Cumberland" near St. Paul's Bay, has superabundantly proved that the Commissioners were exercising a strict duty in persisting since many years, in placing before your Department the question of reviving the old practice of sending the

apprentice pilots on a survey of the north and south channels of the St. Lawrence, within pilotage limits. During the trial the apprentice pilot Dallaire, who was on board the steamer when she grounded, has declared under oath that he had never been in the north channel, although he has been serving his apprenticeship since the 30th March, 1881.

Subsequently the Commissioners were compelled, as already reported to your Department, to refuse to license two apprentices for the reason that they had declared that they had never surveyed this channel. Thisquestion has been the subject of the letter addressed to your Department on the 2nd November. The reply to the same has been received with great satisfaction, by which the Commissioners have informed that a certain number of apprentice pilots, in conformity with request made by them, had been allowed a passage on the Government steamer "Druid," when she went through the north channel, last fall, to raise the buoys.

The Commissioners are therefore more confident than ever that your Department will help them in having the grievance complained of redressed, and they believe that the question would be solved if the apprentices were allowed, each spring and fall, to accompany the officials to whom is intrusted the duty of placing and raising the buoys of both channels.

Complaints Against the Pilotage Service.

Three complaints against the pilotage service have been lodged during the year; the first by the master of the barque "Plymouth Rock," the second by the master of the barque "Peruvienne," and the last be the Council of the Montreal Board of Trade, the same having reference to the SS. "Katie" which had been delayed at Father Point for fourteen hours.

The two first mentioned complaints have been thoroughly investigated but the last one, for want of specific charge, could not be investigated.

A copy of the correspondence exchanged in connection with the complaints in question is annexed to the present report.

Madam Island Shoal Marked by a Gas Buoy.

The Commissioners have been greatly satisfied to learn that your Department has put into effect their recommendation to have Madam Island Shoal marked by a gas buoy. This last buoy completes the number advocated in 1881 by them and a majority of the sea pilots.

The gas buoy system of the St. Lawrence is a matter of great satisfaction to the Commissioners and amongst all those connected with the navigation of the St. Lawrence.

Lower Traverse Lightship.

The trial of the pilot Joseph Plante for the grounding, on the afternoon of the 29th of April, of the SS. "Barcelona" in or near the Traverse, has proved the necessity of having the Lower Traverse lightship placed in position as early as possible at the opening of navigation and in time to signal the danger to the first incoming vessels.

This matter has been the subject of the communication, addressed the 27th May, to your Department, and the Commissioners most respectfully recommend that, for the future, means will be taken, if possible, to send the lightship in time to be placed in position before the first inward vessel will have reached that place.

Deaths.

Two pilots have died during the year: the first, Pierre S. Laprise, was one of the directors of the Corporation, had attained his 44th year and had been in active service for the space of twenty years, and the other, Alexis Vézina, who was drowned, had reached his 37th year and had served only nine years.

DIRECTORS OF THE CORPORATION OF PILOTS.

At their annual meeting held on the 10th December, the pilots elected the following directors to their Corporation for the ensuing year :—Messrs. Abel Bernier, Joseph Fortier, Louis E. Morin, Onésime Noël, Laurent Godbout and Adjutor Baillargeon, and at a meeting of the newly elected directors, held on the 12th same month, Mr. Joseph Fortier was elected president.

The accompanying annexures contain all the information yearly conveyed to your Department by the Commissioners in their capacity of Pilotage Authority.

I have the honor to be, Sir,

Your obedient servant,

A. H. VERRET,

Secretary-Treasurer.

To the Honorable GEO. E. FOSTER,
Minister of Marine and Fisheries, &c., &c., &c.
Ottawa.

QUEBEC HARBOUR COMMISSION.

STATEMENT of Trials held during the Year 1887 before the Quebec Harbour Commissioners, under the Authority of the Pilotage Act 36 Vic., chap. 54.

Names of Pilots Tried.	Nature of Complaints.	Dates of Trials.	Result.
Joseph Plante	For having, on the afternoon of the 29th April, grounded the ss. "Barcelona" in or near the Traverse.	21st May	Acquitted.
Louis Fontaine.....	For having, on the morning of the 30th June, grounded the ss. "Roraima" at Brandy Pots.	9th and 11th July	Found guilty, and suspended for the remainder of the season of navigation.
Pierre Lemieux.....	For having, on the morning of the 18th July, grounded the ss. "Grandholme" off Kamouraska.	29th July	Found guilty, and suspended for the space of 20 calendar months; judgment carried in appeal before Superior Court; appeal dismissed and judgment confirmed.
David Dumas.....	For having, on the 28th July, collided the ss. "Cholmley" with the ss. "Straits of Gibraltar" about the Pilgrims.	10th Aug.	Found guilty, and suspended for the remainder of the season of navigation.
Théodule Pepin *dit* Lachance.	For having, on the 23rd June, insulted one of the directors of the Corporation of Pilots.	17th and 24th Aug.	Found guilty, and fined $20 and costs.
David Arthur Bufford..	For having, on the 13th Sept., grounded the ss. "West Cumberland" near St. Paul's Bay.	24th Sept. and 6th Oct.	Found guilty, and suspended for the space of nine calendar months.
Hubert Raymond (tried under 45 Vic., chap. 32, sec. 4).	For having, during the night of the 15th and 16th Oct., whilst in charge of ship "Loyal," collided the said ship with the Lower Traverse Lightship.	27th Oct., 4th and 29th Nov. and 6th Dec.	Acquitted, the Commissioners being, however, of opinion that, under the circumstances, the defendant Raymond, might have carried less sail on his ship.

Certified.

A. H. VERRET,
Secretary-Treasurer.

HARBOUR COMMISSIONERS OFFICE,
QUEBEC, 10th January, 1888.

APPENDIX No. 13.

REPORT OF THE PILOTAGE AUTHORITY OF ST. JOHN, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

OFFICE OF PILOTAGE AUTHORITY,
DISTRICT OF ST. JOHN, 4th January, 1888.

SIR,—I have the honour to hand you herewith our annual returns for pilotage for this District, for the year ended the 31st December, 1887.

I have the honour to be, Sir,

Your obedient servant,

J. U. THOMAS,
Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

RECEIPTS and Expenditures for the year 1887.

Receipts.

Licenses to 34 pilots at $5 ..... $	170 00	
do 6 pilot boats, at $10	60 00	
25c. per foot on outward pilotage from Port of St. John to date	1,926 87	
25c. per foot on outward pilotage from Port of Musquash to date	18 25	
Outward pilotage schooner "Eagle"	7 00	
Interest on Dominion Savings Bank deposits 12 months to 1st July, 1887	251 04	
		$2,433 16

Expenditures.

Pensions to 3 pilots .... $	340 00	
do 7 widows	616 00	
do 2 children	40 00	
J. A. McMillan, account, printing, &c	22 75	
Auditing accounts for 1886	25 00	
Office rent, one year	100 00	
Salary, secretary-treasurer, one year to date	800 00	
Interest deposited in Dominion Savings Bank	251 04	
		$2,194 79
By balance		238 37
		$2,433 16

RETURNS of Vessels entering and leaving the Port of St. John, subject to pilotage, for the year 1887.

Schooners	376	
Brigs and brigantines	57	
Barks and barkentines	106	
Ships	24	
Steamers	39	
Total	602	
Amount of pilotage received		$23,234 86

British.

Schooners	98	
Brigs and brigantines	48	
Barks and barkentines	85	
Ships	19	
Steamers	23	
Total	273	
Amount of pilotage received		$12,451 04

Foreign.

Schooners	278	
Brigs and brigantines	9	
Barks and barkentines	21	
Ships	5	
Steamers	16	
Total	329	
Amount of pilotage received		$10,783 82

RATES OF pilotage in force 31st December, 1887, for the Pilotage District of St. John, N.B.

On all Sailing Vessels.

Inward:—1st District	$1 50	per foot draught of water.	
2nd do	1 75	do	do
3rd do	2 25	do	do
Outward:—To Partridge Island	1 25	do	do
Down the Bay (not compulsory)	2 00	do	do

TRANSPORTING.

100 tons and under	$1 50
Over 100 tons and under 200 tons	2 00
do 200 do do 300 do	3 00
do 300 do do 400 do	4 00

and 25 cents additional for every fifty tons such vessel may measure over 400 tons.

On all Steamers.

Inward:—1st District	$2 00	per foot draught of water.	
2nd do	2 50	do	do
3rd do	3 00	do	do
Outward:—To Partridge Island	1 75	do	do
Down the Bay (not compulsory)	2 75	do	do

TRANSPORTING.

100 tons and under	$2 00
Over 100 tons and under 200 tons	2 50
do 200 do do 300 do	3 75
do 300 do do 400 do	5 00

and 30 cents additional for every fifty tons such steamer may measure over 400 tons.

PILOTS Licensed for the Pilotage District of St. John, for the Year 1887.

Name.	Age.	Residence.	Remarks.
Patrick Traynor	61	St. John, N.B.	
Thomas Traynor	34	do	
Samuel Rutherford	55	do	
Edward J. Fletcher	60	do	
Joseph Doherty	41	do	
John L. C. Sherrard	53	do	
James Doyle	51	do	
Henry Spears	36	do	
John Thomas	39	do	
James Murray	46	do	
Henry Thomas	56	do	
John Sproul	51	do	
Richard Scott	36	do	
Patrick Conlin	37	do	
James Reid	41	do	
John Spears	38	do	
Charles Daley	51	do	
William Lahey	58	do	
Richard Cline	62	do	
James McPartland	53	do	
James S. Spears	42	do	
Thomas J. Stone	34	do	
James E. Mantle	41	do	
Robert Thomas	46	do	
William Quinn	40	do	
Philip G. Doody	47	do	
Daniel Mulherrin	61	do	
Wm. Miller	36	do	
Alfred Cline	30	do	
William Scott	31	do	
Bartholomew Rogers	30	do	
James Bennett	30	do	
Martin Spears	30	do	
John McAnulty	49	Musquash, N.B.	Licensed for Musquash only.

J. U. THOMAS,
Secretary.

APPENDIX No. 14.

REPORT OF THE PILOTAGE AUTHORITY OF BATHURST, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

STATEMENT of number of Vessels brought from and taken to Sea by each Pilot, and amount of Fees collected, Season of 1887.

Pilot's Name.	Foreign Vessels Inward.		Foreign Vessels Outward.		British Vessels Inward.		British Vessels Outward.		Total Vessels.	Total Fees.	Remarks.
	No.	Fees.	No.	Fees.	No.	Fees.	No.	Fees.			
		$ cts.		$ cts.		$ cts.		$ cts.		$ cts.	
Timothy Daly Wm. H. Daly Fred. Ronalds Fabien Hachey Nazaire Hachey	26	396 00	28	503 20	4	46 00	3	38 00	32	983 20	Pilots are all in partnership.

EDWARD HICKSON,
Secretary.

BATHURST, December, 1887.

APPENDIX No. 15.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF MIRAMICHI, N.B., FOR THE YEAR ENDED 31ST DECEMBER, 1887.

NEWCASTLE, MIRAMICHI, N.B., 7th January, 1888.

SIR,—I have the honour to hand you herewith the Pilotage Returns for the Miramichi District, N.B., for the year ended 31st December, 1887.

I am, Sir,

Your obedient servant,

R. R. CALL,

Sec.-Treas. Pilotage Commissioners.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

PILOTAGE Returns for the Pilotage District of Miramichi, N.B., Year ending 31st December, 1887.

No.	Names of Pilots.	Ages.	For what Licensed.	Remarks.
2	Louis Jimmo	33	Full license.	
4	Angus McEachran	68	do	
5	Mitchell Martin	58	do	
6	Francis Martin	53	do	
7	Maxime Martin	42	do	
9	Angus McLean	54	do	
10	Alexander Wilson	41	do	
11	Robert J. Walls	36	do	
12	George Savoy	43	do	
13	Reuben Nowlan	43	do	
14	John McEachran	37	do	
15	Charles McLean	48	do	
20	Oliver Foster	46	do	
22	William Walls	33	do	
23	William Tait	64	do	
24	Allan McEachran, sen	53	do	
26	John McCullam	35	do	
27	James Nowlan	36	do	
28	Dudley P. Walls	41	do	
29	George Sutton	36	do	
30	James A. Nowlan	32	do	
31	George T. Tait	30	do	
32	Joseph Jimmo, jun	32	do	
33	James McCullam	43	do	
34	Allan McEachran, jun	28	do	
35	John Martin	28	do	
36	Asa Walls	28	do	
37	William Walls, jun	30	do	
38	John Nowlan	31	do	
39	Patrick Nowlan	28	do	

Rates of pilotage chargeable at Miramichi, N.B., on all vessels, British or foreign :—

When inward bound	$2 25 per foot.
And for all vessels propelled wholly or in part by steam in addition to above	0 02 per ton, net.
When outward bound	2 00 per foot.

For the removal and moving—

Vessels not exceeding 100 tons	1 50
do do 200 do	2 00
do do 300 do	3 00
do exceeding 300 tons	4 00

And where the distance of removal exceeds four miles, 50 per cent. to be added to above rates.

For every vessel taken to sea after 1st of November, a bonus of $4.00.

LIST OF PILOT BOATS LICENSED.

No.	Name of Pilot Boat.	Tonnage.	Name of Captain.	When first Licensed.	When last Licensed.
11	May Queen	22·50	A. McEachran, jun	May, 1878	May, 1887
13	Two Brothers	25·	G. T. Tait	do 1878	do 1887
14	Empress	25·57	Maxime Martin	do 1878	do 1887
15	Princess Louise	20·85	Robert J. Walls	do 1879	do 1887

Nationalities of vessels piloted inwards during the year 1887 :—

British	46
Norwegian and Swedish	57
Italian	20
German	2
French	6
Russian	5
Austrian	4
Total	140

Vessels reported inwards :—

British steamers	7
do sailing vessels	39
Foreign steamers	2
do sailing vessels	92
Total	140

Vessels reported outwards :—

British steamers	7
do sailing vessels	39
Foreign steamers	2
do sailing vessels	92
Total	140

Vessels removed:—	
British steamers	1
do sailing vessels	14
Foreign steamers	1
do sailing vessels	72
Total	88
Vessels extra services:—	
British steamers	3
do sailing vessels	3
Foreign sailing vessels	7
Total	13
Total amount pilotage inwards:—	
British steamers	$ 344 65
do sailing vessels	979 69
Foreign steamers	97 59
do sailing vessels	2,526 88
Total	$ 3,948 81
Total amount pilotage outwards:—	
British steamers	$ 259 00
do sailing vessels	1,247 29
Foreign steamers	65 00
do sailing vessels	3,141 00
Total	$4,703 29
Total amount removals:—	
British steamers	$ 4 00
do sailing vessels	63 50
Foreign steamers	4 00
do sailing vessels	351 00
Total	$423 00
Total amount extra service:—	
British steamers	$12 00
do sailing vessels	32 00
Foreign sailing vessels	36 00
Total	$80 00
Total amount earned by pilots:—	
Pilotage inwards	$3,948 81
do outwards	4,703 29
do removals	423 00
do extra services	80 00
Amount earned by Pilot McEachran as Capt. schoener "General Middleton"	27 50
Amount earned by Pilot McCullam with Port Warden Muirhead	20 00
Total	$9,202 60

STATEMENT OF RECEIPTS AND EXPENDITURE.

Receipts.

Pilotage inwards	$3,948 81
do outwards	4,703 29
Removals and extra services	503 00
Amount earned by pilots at other work	47 50
	$9,202 60

Expenditure.

Paid Geo. Watt, acct. against schooner "May Queen"	$ 14 30
James Henderson, surveying 4 boats	10 00
D. P. Wallis, account	10 00
J. L. Stewart, printing	2 00
A. McEachran, account office expenses	3 00
Searles, account office rent	20 00
Watts, account against "Two Brothers"	18 25
A. Ullocks, account horse hire	1 50
W. C. Anslow, printing	9 50
Alex. Martin, pension	100 00
Secy.-Treas., 3 per cent. commission on $9,202.60	276 07
Amount divided between 30 pilots, $291.27 each	$8,737 98
	$9,202 60

WM. PARK, *Chairman.*
R. R. CALL, *Secretary.*

NEWCASTLE, MIRAMICHI, N.B., 6th January, 1888.

APPENDIX No. 16.

PILOTAGE RETURNS FOR THE PILOTAGE DISTRICT OF THE COUNTY OF CHARLOTTE, FOR THE YEAR ENDED 31ST DECEMBER, 1887.

ST. ANDREW'S, N.B., 31st December, 1887.

SIR,—Annexed, I have the honor to hand you the pilotage returns for the district of the County of Charlotte, for the year ended 31st December, 1887.

I am, Sir,

Your obedient servant,

C. E. O. HATHEWAY,

Commissioner and Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

PILOTAGE RETURNS for the District of the County of Charlotte, N.B., for the year ended 31st December, 1887.

Licensed Pilots.	Residence.	District Licensed for.
Joseph Boyd.....	Parish of Campobello.....	County of Charlotte.
John Boyd.....	do Dufferin...	do

Pilot Boats Licensed.

Pilot schooner "Frederick Taylor," 12½ tons, Joseph Boyd, Master.

Pilotage Collected by Pilots for the Current Year.

Names of Pilots.	British Vessels.	Foreign Vessels.	
Joseph Boyd.....	$298 50	$111 00	
John Boyd.....	181 00	18 00	
	$479 50	$129 00	
Total.....			$608 50

Rates of Pilotage in the District.

Longest pilotage distance, inward or outward.....$2.25 per foot draft of water.
Second do do ..... 1.60 do
Third do do ..... 1.50 do
From or to Campobello, 20c. per foot less than above rates.
Fourth pilotage distance, inward or outward, $1 per foot draft of water.
From 1st of November to 1st of April, 20c. per foot in addition to above rates.

To or from St. Andrew's harbour to ballast ground, vessels 80 tons and under 300 tons, $2.50; vessels 300 tons or upwards, $3 each.

Removing a vessel from any loading place inside St. Andrew's Bay to any harbour or loading place outside St. Andrew's Bay and within the county, pilotage inwards or outwards: Vessels of 80 tons and under 200 tons, $6; 200 tons and under 300 tons, $8; 300 tons and under 400 tons, $10; 400 tons and upwards, $12 each.

Removing a vessel from one loading place or harbour to any other loading place or harbour, inside St. Andrew's Bay: Vessels 80 tons up to 200 tons, $4; over 200 tons and up to 300 tons, $5; over 300 tons and up to 400 tons, $6; exceeding 400 tons, $8 each.

Receipts by Commissioners.

License for 1 pilot boat	$5 00
do 1 pilot	6 00
do regulations	1 00
	$12 00

Charges.

Stationery and postage	$0 50	
Paid Commissioners, St. Stephen and St. George	4 00	
do Commissioner and Secretary at St. Andrew's	7 50	
		$12 00

C. E. O. HATHEWAY,
Commissioner and Secretary.

St. Andrew's, N.B., 31st December, 1887.

APPENDIX No. 17.

REPORT OF THE HALIFAX PILOTAGE COMMISSIONERS FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HALIFAX, N.S., 31st December, 1887.

SIR,—I herewith have the honour to transmit the annual returns of the Pilotage Authority for the district of Halifax, N.S., consisting of:—

Return of vessels, inward, British and foreign.
Return of vessels, outward, British and foreign.
Statement of receipts and expenditure.
Statement of superannuation fund.
List of licensed pilots.

I have the honour to be, Sir,

Your obedient servant,

FREDERICK D. CORBETT,

Secretary Treasurer.

The Honourable
The Minister of Marine, &c.,
Ottawa.

RETURN of Vessels entered Inwards at the Port of Halifax, N.S., from 1st January to 31st December, 1887, subject to compulsory pilotage dues.

BRITISH.

Schooner.	Brigantine.	Brig.	Bark.	Ship.	Steamer.	Tonnage.	Amount of Pilotage Dues.
							$ cts.
189	124	.....	33	.....	334	527,309	9,691 71

FOREIGN.

28	14	4	63	1	91	101,082	3,230 57
217	138	4	96	1	425	628,391	12,922 28

RETURN of Vessels entered Outwards at the Port of Halifax, N.S., from 1st January to 31st December, 1887, subject to compulsory pilotage dues.

BRITISH.

Schooner.	Brigantine.	Brig.	Bark.	Ship.	Steamer.	Tonnage.	Amount of Pilotage Dues.
							$ cts.
9	18	1	39	1	342	473,749	4,845 85

FOREIGN.

4	6	3	61	1	93	128,542	1,615 29
13	24	4	100	2	435	592,291	6,461 14

195

LIST of Pilots for the Pilotage District of Halifax, N.S.

Name.	No.	Residence.	Age.	Height. Feet.	Height. Inches.	Complexion.	Color of Hair and Eyes.
Jno. Fleming	1	Ketch Harbour	74	5	10	Dark	Dark
Jas. Holland	3	Duncan's Cove	50	5	9	Light	Light
William Baker	4	Halifax	51	5	8	Dark	Dark
B. Gallagher	5	do	62	5	8	do	do
D. Martin	6	Ketch Harbour	41	5	10	Light	Light
Joseph Reno	7	Herring Cove	61	5	10	Dark	Dark
Patrick Hayes	8	do	65	5	8	do	do
Hugh Munro	9	do	51	5	9	do	do
Jerry Holland	10	Duncan's Cove	54	5	10	Light	Light
Edward Byers	11	Ferguson's Cove	45	5	10	do	do
Jas. Hanrahan	12	do	49	5	9	Dark	Dark
Wm. Beazley	13	do	46	5	6	do	do
Jno. Hayes	14	Halifax	36	5	10	Light	Light
Jas. Spears	15	Ketch Harbour	28	5	8	do	do
Jno. Beazley	16	Ferguson's Cove	27	5	9	Dark	Dark
C. Glazebrook	17	Halifax	56	5	10	Light	Light
Richard O'Neil	18	do	39	5	10	Dark	Dark
Wm. White	19	Ferguson's Cove	29	5	9	do	do
Thos. Hayes	20	Herring Cove	27	5	6	Light	Light
Thos. Reno	21	do	26	5	9	Dark	Dark
Chas. Martin	22	Sambro	57	5	11	Light	Light
J. Johnson	24	Bear Cove	57	5	9	do	do
Jas. Fleming	26	Ketch Harbour	47	5	11	Dark	Dark
Dennis Murphy		Halifax		5	9	Light	Light
Jos. Smith		St. Margaret's Bay	44	5	10	do	do
R. Martin		Ship Harbour					
J. Marks		Sheet Harbour					

STATEMENT of Superannuation Fund.

By Cash in Savings Bank, 1st January, 1887		$2,917 05
Collected during 1887, and interest		477 53
		$3,394 58
Less.		
To Paid family late Pilot Smith	$60 00	
do do Nickerson	75 00	
do do Simmons	47 50	
		$182 50
		$3,212 08
By Balance at credit in Savings Bank	$3,094 85	
do do Union Bank	117 23	
		$3,212 08

E. & O. E.

NET Earnings of Pilots for 1887.

No. of Pilot Boat.	Net Earnings.	No. of Men.	Net Earnings per Man.
	$ cts.		$ cts.
Boat "Star," No. 1	5,217 22	6	869 54
Boat "Micmac," No 2	4,253 84	6	708 97
Boat "Genesta," No. 3	3,572 50	6	593 42
Boat "Annie Gaetz," No. 4	3,929 32	4	982 33
			Average per Man.
Total net earnings, 1887	16,972 88	22	771 45

E. and O. E.

J. TAYLOR WOOD,

Secretary and Treasurer.

STATEMENT of Receipts and Expenditure for Year ending 1887.

RECEIPTS.	$ cts.
To Cash on hand, 1st Jan., 1887	1,607 80
Dominion 4 per cent. stock	1,000 00
Deposit savings bank	1,651 91
Outward Pilotage, ships taking no Pilots	1,034 77
Commission 5 per cent on pilotage collected	925 77
Interest 4 per cent. stock and amount savings bank	105 00
	6,325 25
	3,737 25
EXPENDITURE.	
By Amount paid Commissioners, 1886	1,000 00
do Auditor, 1886	30 00
Secretary's salary and office rent	502 30
Steamer "Uno" visiting stations, &c	112 00
Printing, advertising, taxes, office expenses, &c	278 12
Deposit savings bank	665 00
Surplus Cr. Pilotage Fund	3,737 83
	6,325 25

E. O. E.

J. TAYLOR WOOD,

Secretary and Treasurer.

APPENDIX No. 18.

REPORT OF THE PILOTAGE AUTHORITY FOR DISTRICT OF GLACE BAY, C.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

GLACE BAY, C.B., 26th January, 1888.

SIR,—Herewith I beg to hand you statement of the pilotage collected in this district for 1887, with names of vessels, list of pilots and fees paid by them.

The port of Lingan, which forms a part of the pilotage district, was closed last year and none of the pilots for that port renewed their licenses.

I have the honour to be, Sir,

Your obedient servant,

CHAS. H. RIGBY,

Secretary.

The Hon. Minister of Marine,
Ottawa.

NAMES of Pilots and License Fees paid for 1887.

License No.	Name of Pilots.	Age.	No. of Boat.	Fees.
				$ cts.
1	Edward Petrie	54	1	4 00
2	Joseph Shannahan	48	.....	3 00
3	Allen McPherson	52	1	4 00
4	Edward Mahon	66	.....	3 00
5	John Ryan	40	1	4 00
6	Edmund Petrie	43	1	8 00
7	James Farrell	56	1	4 00
8	Alexander McLennan	51	.....	3 00
9	Thomas Ling	47	.....	3 00
				$36 00

RECAPITULATION.

9	license renewals	$27 00
4	do open boats	4 00
1	do deck boat	5 00
		$36 00

RECEIPTS and Disbursements Account for Year ending 31st December, 1887.

Date.	—	Amount.
1887.	DR.	$ cts.
Dec. 31	Paid secretary's allowance	20 00
do 31	do commissions, travelling, &c.	15 00
do 31	do postage and stationery	1 00
		36 00
	CR.	
May 1	By renewal license to 9 pilots, at $3.00	27 00
do 1	do 4 open boats	4 00
do 1	do 1 deck boat	5 00
		36 00

PILOTAGE Collected at District of Glace Bay, C.B., year ended 31st December, 1887.

Date.	Tonn'ge	Nationality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
1887.				$ cts.	
Jan. 4...	183	British.....	Barkentine Nelly	10 50	J. Shanahan.
do 7...	199	do	Brigantine Natalie	10 50	E. Petrie.
do 7...	244	do	do Zanoni	16 00	J. Farrell.
do 12...	327	do	do Addie Benson	5 00	T. Ling.
April 9...	120	do	Schooner Maggie Millard	6 00	A. McPherson.
do 11...	99	do	do James Dwyer	5 00	E. Petrie.
May 6...	936	do	Steamship General Roberts	44 00	T. Ling.
do 7...	117	do	Schooner Lottie	12 00	J. Shanahan.
do 7...	125	do	do Ocean Star	6 00	E. Petrie.
do 10...	1,066	do	Steamship Hungaria	50 00	T. Ling.
do 12...	998	Norw'gn..	do Norrona	46 00	J. Farrell.
do 14...	91	British.....	Schooner Thetis	5 00	J. Ryan.
do 14...	978	do	Steamship Wylo	46 00	J. Shanahan.
do 23...	889	do	do Bedlington	42 00	A. McLellan.
do 23...	109	do	Schooner Mellacoree	6 00	J. Farrell.
do 24...	453	Norw'gn..	Bark Susanne	26 00	E. Mahon.
do 24...	93	British.....	Schooner Mary Eleanor	5 00	J. Ryan.
do 25...	192	do	do Adeline	10 50	A. McLellan.
do 26...	1,102	do	Steamship Edinburgh	52 00	J. Farrell.
do 27...	182	do	Schooner Nellie Parker	7 00	J. Ryan.
do 27...	121	do	do Panope	6 00	E. Mahon.
do 28...	95	do	do Fleetly	5 00	E. Petrie.
do 28...	112	do	do L. P. Churchill	6 00	J. Farrell.
do 28...	99	do	do James Dwyer	5 00	A. McPherson.
do 28...	.....	do	do Cumminger	7 00	E. Mahon.
do 31...	978	do	Steamship Wylo	46 00	E. Petrie.
June 1...	244	do	Brigantine Zanoni	16 00	T. Ling.
do 2...	998	Norw'gn...	Steamship Norrona	46 00	J. Shanahan.
do 4...	936	British.....	do General Roberts	44 00	E. Petrie.
do 6 ..	889	do	do Bedlington	42 00	A. McPherson.
do 7...	445	Norw'gn...	Bark President Sverdrup	24 00	J. Shanahan.
do 7...	345	British.....	do Parigero	20 00	do
do 9...	408	Norw'gn...	do Skjaldmorn	18 00	E. Petrie.
do 10...	147	British.....	Schooner Maggie Willett	9 00	J. Ryan.
do 10...	297	do	Brigantine Glenorchy	10 00	T. Ling.
do 13...	125	do	Schooner Ocean Star	3 00	E. Petrie.
do 14...	978	do	Steamship Wylo	46 00	A. McPherson.
do 15...	327	do	Brigantine Addie Benson	10 00	J. Farrell.
do 16...	936	do	Steamship General Roberts	44 00	E. Mahon.
do 17...	889	do	do Bedlington	42 00	J. Shanahan.
do 18...	998	Norw'gn..	do Norrona	46 00	A. McPherson.
do 18...	102	British.....	Schooner Harmony	6 00	E. Mahon.
do 18...	125	do	do Willie A	7 50	A. McPherson.
do 20...	89	do	do Rosie	4 00	E. Petrie.
do 21...	797	do	Bark Fanny L. Cann	38 00	do
do 22...	288	do	do Dominique	9 00	J. Farrell.
do 22...	391	do	do Cathella	16 50	E. Mahon.
do 22...	114	do	Schooner Marie Vigilante	9 00	J. Shanahan.
do 22...	125	do	do St Anne	6 00	A. McPherson.
do 24...	98	do	do Bess and Stella	5 00	E. Mahon.
do 24...	126	do	Brigantine Zanoni	9 00	T. Ling.
do 25...	348	do	do Ohio	15 00	J. Farrell.
	116	do	Schooner G. Bernier	6 00	J. Ryan.
do 28...	91	do	do Fear Not	5 00	do
do 28...	978	do	Steamship Wylo	46 00	E. Petrie.
do 29...	128	do	Schooner Mignionette	10 00	A. McPherson.
do 29...	99	do	do James Dwyer	5 00	T. Ling.
do 29...	245	do	Brigantine Morna	16 00	E. Mahon.
do 30...	244	do	do Zanzoni	16 00	T. Ling.
do 30...	936	do	Steamship General Roberts	44 00	J. Ryan.
July 1...	250	British.....	Barkentine Aureola	18 00	J. Shanahan.
do 2...	81	do	Schooner Lady Bellew	5 00	A. McLellan.
do 4...	889	do	Steamship Bedlington	42 00	J. Ryan.

PILOTAGE Collected at District of Glace Bay, C.B., &c.—*Continued.*

Date.	Tonn'ge	Nationality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
1887.					
do 5...	998	Norw'gn ..	Steamship Norrona	46 00	E. Petrie.
do 6...	98	British	Schooner Lord Devon	7 50	J. Farrell.
do 6...	197	French.....	Brigantine Survivor.	14 00	A. McPherson.
do 6...	245	British.....	do Morna	16 00	E. Mahon.
do 6...	195	do	do Eugenia	7 00	T. Ling.
do 11...	978	do	Steamship Wylo	46 00	J. Farrell.
do 12...	110	do	Schooner Albania	6 00	do
do 12...	108	do	do D. A. Huntley	6 00	E. Petrie.
do 13...	116	do	do Marie Anna	6 00	J. Shanahan.
do 14...	936	do	Steamship General Roberts.	44 00	T. Ling.
do 15...	244	do	Brigantine Zanoni	16 00	J. Ryan.
do 15...	645	do	do C. S. Bushwell	32 00	E. Petrie.
do 15...	93	do	Schooner Darling	5 00	J. Ryan.
do 16...	889	do	Steamship Bedlington	42 00	A. McPherson.
do 19...	138	do	Schooner J. Savord.	6 00	E. Mahon.
do 19...	110	do	do Marie Erzelie	6 00	J. Farrell.
do 19...	341	do	Brigantine Gipsy Queen	20 00	E. Petrie.
do 20...	998	Norw'gn ..	Steamship Norrona	46 00	A. McLellan.
do 22...	.....	British	Schooner Fleetly	5 00	E. Petrie.
do 23...	245	do ...	Brigantine Morna	16 00	J. Farrell.
do 25...	136	do	do Agnes Cairns	9 00	E. Mahon.
do 26...	115	do	Schooner Hind.	9 00	J. Shanahan.
do 27...	889	do	Steamship Bedlington	42 00	A. McLellan.
do 27...	461	do	Bark Ormus	19 50	J. Farrell.
do 28...	936	do	Steamship General Roberts	44 00	E. Petrie.
do 30...	978	do	do Wylo	46 00	J. Shanahan.
do 30...	140	do	Schooner Bonnibell	6 00	J. Ryan.
Aug. 1...	479	American.	Brigantine Galconda	19 50	T. Ling.
do 2...	122	British.....	Schooner Isabella.	9 00	J. Farrell.
do 3...	998	Norw'gn..	Steamship Norrona.	46 00	A. McLellan.
do 5...	399	British	Bark Albatrass	16 50	E. Petrie.
do 8...	889	do	Steamship Bedlington	42 00	A. McPherson.
do 9...	250	do	Barkentine Aureola	18 00	J. Shanahan.
do 10...	978	do	Steamship Wylo	46 00	J. Ryan.
do 12...	936	do	do General Roberts.	44 00	E. Petrie.
do 12...	241	do	Brigantine Acadia	8 00	E. Mahon.
do 13...	.....	do	Schooner Kezia	6 00	J. Ryan.
do 13...	449	Norw'gn ..	Steamship Bratten	24 00	A. McLellan.
do 15...	245	British	Brigantine Norna	16 00	T. Ling.
do 15...	114	do	Schooner Marie Vigilante	9 00	E. Petrie.
do 16...	76	do	do Progress	8 00	do
do 16...	.....	do	do Maria Catharina.	7 50	do
do 17...	787	do	Steamship Berbica	38 00	J. Farrell.
do 19...	998	Norw'gn ..	do Norrona	46 00	T. Ling.
do 19...	.....	British	Schooner Osceoba.	7 50	E. Mahon.
do 20...	889	do	Steamship Bedlington.	42 00	do
do 23...	978	do	do Wylo	46 00	E. Petrie.
do 23...	327	do	Brigantine Addie Benson.	10 00	J. Farrell.
do 25...	311	do	Steamship Falcon.	20 00	A. McLellan.
do 27...	936	do	do General Roberts	44 00	T. Ling.
do 27...	163	do	Schooner Ripple	14 00	A. McPherson.
do 29...	449	Norw'gn...	Steamship Bratten	24 00	E. Petrie.
do 30...	646	do ...	do Fridtjof	32 00	J. Farrell.
do 31...	889	British	do Bedlington	42 00	A. McPherson.
Sept. 1...	122	do	Brigantine Isabella	6 00	E. Mahon.
do 3...	479	American.	do Galconda	19 50	A. McLellan.
do 5...	393	Norw'gn..	Steamship Odin.	22 00	E. Petrie.
do 5...	978	British	Steamship Wylo	46 00	J. Farrell.
do 6...	113	do	Brigantine Dawn	9 00	A. McPherson.
do 6...	109	do	do Sovereign	9 00	E. Mahon.
do 7...	571	do	Bark St. Olaves	30 00	A. McLellan.
do 9...	507	American.	Brigantine John Swan	21 00	E. Petrie.
do 9...	241	British	do Acadia	12 00	J. Farrell.

PILOTAGE Collected at District of Glace Bay, C. B., &c.—*Continued.*

Date.	Tonn'ge	Nationality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
1887.				$ cts.	
Sept. 10...	936	British	Steamship General Roberts	44 00	E. Petrie.
do 10...	245	do	Brigantine Morna	16 00	E. Mahon.
do 10...	449	Norw'gn..	Steamship Bratten	24 00	A. McLellan.
do 13...	646	do ..	do Fridtjof	32 00	E. Petrie.
do 13...	889	British	do Bedlington	42 00	T. Ling.
do 14...	227	American.	Schooner E. A. White	12 00	J. Shanahan.
do 15...	140	British	do Bonnibell	6 00	A. McPherson.
do 15...	360	do	Brigantine Libbie H	11 00	E. Mahon.
do 16...	137	do	Schooner North America	3 00	E. Petrie.
do 17...	978	do	Steamship Wylo	46 00	J. Ryan.
do 20...	393	Norw'gn..	do Odin	22 00	J. Farrell.
do 20...	327	British	Brigantine Addie Benson	10 00	A. McPherson.
do 20...	231	do	do Canadian	12 00	E. Petrie.
do 20...	530	do	Bark C. E. Robinson	21 00	J. Ryan.
do 20...	737	do	Steamship Sandringham	36 00	E. Petrie.
do 23...	936	do	do General Roberts	44 00	J. Shanahan.
do 23...	449	Norw'gn..	do Bratten	24 09	E Mahon.
do 23...	403	American.	Schooner J. E. Sanford.	24 00	E Petrie.
do 26...	263	British	do Gazelle	9 00	E. Mahon.
do 26...	646	Norw'gn..	Steamship Fridtjof	32 00	J. Farrell.
do 27...	889	British	do Bedlington	42 00	A. McLellan.
do 28...	567	American.	Brigantine Motley	30 00	E. Petrie.
do 28...	110	British	Schooner Veritas	6 00	J. Ryan.
do 28...	97	do	do Josie	5 00	A. McPherson.
do 29...	222	do	do Minnie Louise	8 00	J. Farrell.
do 29...	311	do	Steamship Falcon.	20 00	do
do 29...	122	do	Brigantine Corinne	6 00	J. Shanahan.
do 30...	393	Norw'gn..	Steamship Odin	22 00	E. Mahon.
Oct. 1...	341	British	Brigantine Gipsy Queen	20 00	E. Petrie.
do 1...	148	do	do Alaska	6 00	J. Farrell.
do 3...	115	do	Schooner Angora	6 00	E. Petrie.
do 4...	245	do	Brigantine Morna	16 00	J. Farrell.
do 4...	.....	do	Schooner Rejoinder	4 00	E. Petrie.
do 5...	127	do	do Percy	9 00	E Mahon.
do 6...	125	do	do Ocean Star	6 00	E. Petrie.
do 7...	313	do	Brigantine Endrick	10 00	A. McPherson.
do 8...	998	Norw'gn..	Steamship Norrona	46 00	J. Farrell.
do 8...	150	British	Schooner Sea Lark	14 00	J. Ryan.
do 8	122	do	do Isabella	9 00	J. Shanahan.
do 8...	115	do	do Angora	3 00	E. Petrie.
do 8...	978	do	Steamship Wylo	34 50	J. Shanahan.
do 11...	889	do	do Bedlington	42 00	J. Ryan.
do 12...	311	do	do Falcon	20 00	J. Farrell.
do 12...	136	do	Brigantine Agnes Cairns	9 00	E. Mahon.
do 12...	646	Norw'gn..	Steamship Fridtjof	32 00	J Farrell.
do 13...	99	British	Schooner S. A. Morash	7 50	J. Ryan.
do 14...	393	Norw'gn..	Steamship Odin	22 00	do
do 15...	579	American.	Schooner Martha H. Hall	30 00	E. Petrie.
do 15...	429	British	Bark Frederica	12 00	J. Ryan.
do 17...	109	do	Schooner Mellacoree	6 00	J. Farrell.
do 17...	122	do	do Arthur	6 00	E. Mahon.
do 17...	113	do	Brigantine Dawn	9 00	E. Petrie.
do 18...	567	American.	Schooner Benjamin Hale	30 00	A. McLellan.
do 19...	99	British	do James Dwyer	5 00	J. Farrell.
do 20...	327	British.....	Brigantine Addie Benson	10 00	E Petrie.
do 20...	94	do	Schooner Dahlia	5 00	J. Shanahan.
do 21...	248	do	Brig Phantom	16 00	J. Farrell.
do 22...	360	do	do Libbie H	11 00	E. Petrie.
do 22...	409	American.	Schooner J. E. Sandford	24 00	A. McLellan.
do 22...	61	British	do Bessie	4 00	E. Petrie.
do 24...	889	do	Steamship Bedlington	42 00	J. Shanahan.
do 25...	176	do	Schooner Golden Fleece	10 50	E. Petrie.
do 25...	393	Norw'gn ..	Steamship Odin	22 00	E. Mahon.

PILOTAGE Collected at District of Glace Bay, &c.—*Concluded.*

Date.	Tonn'ge	Nationality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
1887.				$ cts.	
Oct. 25...	646	Norw'gn..	Steamship Fridtjof	32 00	E. Petrie.
do 27...	998	do ...	do Norrona	46 00	J. Farrell.
do 28...	183	British ...	Schooner Nellie	7 00	J. Ryan.
do 29...	222	do	do Minnie Louise	8 00	E. Mahon.
do 29...	449	Norw'gn..	Steamship Bratten	24 00	J. Shanahan.
do 29...	646	do ...	do Fridtjof	32 00	E. Petrie.
do 31...	288	British.....	Brigantine Riberia	9 00	A. McLellan.
Nov. 1...	114	do ...	Schooner Maria Vigilante	6 00	J. Ryan.
do 1...	96	do	do Stone House	7 50	J. Farrell.
do 2...	313	do	Brigantine Endrick	10 00	A. McLellan.
do 3...	147	do	Schooner Maggie Willett	3 00	E. Mahon.
do 3...	245	do	Brigantine Morna	16 00	J. Shanahan.
do 3...	97	do	Schooner Uncle Sam	5 00	J. Farrell.
do 3...	99	do	do James Dwyer	5 00	E. Petrie.
do 4...	122	do	do Arthur	6 00	T. Ling.
do 4...	172	do	Brigantine Boston Marine	10 50	A. McLellan.
do 5...	127	do	Schooner Percy	9 00	J. Shanahan.
do 5...	94	do	do Dahlia	5 00	E. Petrie.
do 5...	110	do	do Marie Erzelie	6 00	do
do 5...	97	do	do Susie E.	5 00	J. Ryan.
do 7...	127	do	do Florella	12 00	E. Petrie.
do 7...	125	do	do Ocean Star	6 00	A. McLellan.
do 8...	150	do	do Sea Lark	9 00	J. Ryan.
do 10...	393	Norw'gn.	Steamship Odin	22 00	E. Petrie.
do 10...	184	British	Brigantine Mechanic	7 00	J. Shanahan.
do 12...	786	do	Barque Etta Stewart	28 50	J. Farrell.
do 12...	113	do	Brigantine Dawn	9 00	E. Petrie.
do 14...	626	do	Barque Oliver Emery	32 00	A. McLellan.
do 15...	199	do	Brigantine Natalie	10 50	J. Ryan
do 17...	149	do	Schooner S. A. Morash	6 00	J. Shanahan.
do 18...	449	Norw'gn...	Steamship Bratten	24 00	E Petrie.
do 19...	491	British	Barkentine Lottie	26 00	E. Mahon.
do 22...	248	do	Schooner St. John	12 00	A. McLellan.
do 22...	183	do	do Nelly	14 00	J. Farrell.
do 24...	327	do	Brigantine Addie Benson	10 00	T. Ling.
do 24...	311	do	Steamship Falcon	10 00	J. Farrell.
do 25...	245	do	Brigantine Morna	16 00	A. McLellan.
do 25...	143	do	do Atlanta	12 00	J. Ryan.
Dec. 1...	127	do	Scoooner Florella	6 00	E. Mahon.
do 5...	98	do	do Dessie M	5 00	E. Petrie.
do 5...	311	do	Steamship Falcon	15 00	J. Shanahan.
do 5...	222	do	Schooner Minnie Louise	8 00	J. Farrell.
do 7...	120	do	do Florence Abbott	6 00	A. McLellan.
do 8...	655	do	Barque Brothers and Sisters	34 00	J. Shanahan.
do 10...	148	do	Schooner Olivia A. O'Mullen	6 00	J. Ryan.
do 12...	499	do	Barque James Kitchen	26 00	E. Petrie.
do 12...	311	do	Steamship Falcon	15 00	J. Farrell.
do 12...	253	do	Bigantine American Union	9 00	E. Mahon.
do 15...	183	do	Schooner Nelly	14 00	A. McLellan.
do 15...	149	do	do Sarah A. Townsend	6 00	E. Petrie.
do 17...	195	do	Brigantine Natalie	7 00	J. Ryan.
do 19...	245	do	do Morna	16 00	J. Farrell.
do 23...	159	do	do Sparkling Glance	14 00	J. Ryan.
do 23...	449	Norw'gn ..	Steamship Bratten	24 00	A. McLellan.
do 24...	395	British	Barque Lalia	5 50	E. Mahon.
do 24...	99	do	Schooner James Dwyer	5 05	J. Shanahan.
do 27...	185	do	do Louise	7 00	E. Petrie.
				4,585 00	

RECAPITULATION.

			Tons.
43	British steamers		36,486
24	Foreign steamers		15,620
9	American sailing vessels		4,217
3	Norwegian	do	1,306
1	French	do	197
166	British	do	35,183
246			93,009

CHAS. H. RIGBY,
Secretary.

APPENDIX No. 19.

REPORT OF THE PILOTAGE AUTHORITY OF PICTOU, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

PICTOU, N.S., 31st December, 1887.

SIR,—I have the honour to submit to you the pilotage returns for the port of Pictou, for year ending 31st December, 1887.

The rules and regulations and rates of pilotage remain the same as last season, with the exception of the following regulation adopted 2nd May, 1887, and sanctioned by Governor in Council 21st May, 1887, *i. e.*: "Any pilot piloting a vessel inwards from sea shall be entitled to pilot her up and down rivers and to sea when she next leaves port—unless on complaint of the master or owner of the said vessel, the pilotage authority shall direct otherwise."

The names and number of pilots are the same as on last season's report, with the exception of John R. Powell, No. 10, who did not renew his bond.

I am, Sir,

Your obedient servant,

WM. H. NOONAN,

Secretary Pilotage Authority.

W. SMITH, Esq.,
Deputy Minister of Marine, &c.,
Ottawa.

Total amount received for pilotage dues for season ending 31st December, 1887		$3,258 73
Of this amount—		
Received from steamships	$2,625 78	
do from sailing ships	632 95	
		$3,258 73
Of this amount—		
Received from British ships	$2,519 95	
do from Foreign ships	738 78	
		$3,258 73

Certified Masters.

Amabel Bacquet, SS. "Miramichi."

Certified Mates.

None.

MEMORANDUM of Earnings of Pilots for Season ending 31st December, 1887.

1.	Alex. T. Powell	$ 6 00
2.	James Fraser	83 00
3.	Bryant Rodgers	146 00
4.	Wm. A. Cooke	636 00
5.	Angus McDonald	57 00
6.	Henry H. Powell	194 95
7.	Chas. A Cooke	991 00
8.	George W. Powell	33 00
9.	Daniel S. Smith	646 69
10.	John R. Powell	.....
11.	Wm. Munro	132 69
12.	Daniel McLeod	95 00
		$3,021 33

RECEIPTS and Expenditures of all Moneys received by or on behalf of the Pilotage Authority in respect of pilots or pilotage.

Receipts.

Received from 11 pilots, renewing bonds	$ 11 00	
do pilotage dues, as per statement	3,258 73	
Balance on hand from last year	13 50	
do due Pilotage Authority	48 90	
		$3,332 13

Expenditures.

Paid pilots for pilotage	$3,021 33	
Robt. Powell, superannuation grant	30 00	
Colonial Standard, printing account	8 00	
Office rent and fuel	50 00	
Secretary's salary	200 00	
J. McK. Beattie, stationery account	4 80	
W. U. T. Co., (account "Laura")	1 00	
Danl McLeod, Pilot No. 12, loan	17 00	
		$3,332 13

J. A. GORDON,
JOHN R. DAVIS,
A. J. PATTERSON,
HECTOR McKENZIE,
JAMES D. McGREGOR,
Pilotage Authority, Port of Pictou, N.S.

APPENDIX No. 20.

St. Mary's, 31st December, 1887.

EPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF ST. MARY'S AND LISCOMBE, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

LISCOMBE.

ame of Pilot.	Age	Name of Ship.	Port of Registry.	Tonnage.	Pilotage.		
					Inwards.	Outwards.	Total.
					$ cts	$ cts	$ cts.
wis Wilson....	33	Brigantine Nordan.....	Norway.....	223	6 00	8 00	14 00
niel Lang.....	46	Barque Norma.....	do	337	9 00	11 00	20 00
do	46	Barque Gyda.....	do	521	14 00	15 00	29 00
as. Riley.	66	Barque Fin	do	536	14 00	15 00	29 00
cob Lang.....	59	Barque Norman.....	Maitland, N.S....	870	17 00	18 00	35 00
do	59	Removing the barque Norman..	.....	.....	.....	.....	5 00
do	59	Brigantine Gertude....	Lunenburg, N S.	292	6 00	.....	6 00
		Total for Liscombe...	.....	.....	.....	.....	138 00

ST. MARY'S.

lward Quinn...	35	Barge Adelhum.	Norway.....	400	11 00	13 00	24 00
do ...	35	Schr. North America...	Halifax, N.S.....	174	6 00	8 00	14 00
do ...	35	Schr. Hattie E. Collins	Newfoundland...	32	2 24	2 24	4 48
do ...	35	Schr. Belle.....	Halifax, N.S.....	31	2 17	.....	2 17
do ...	35	Schr. Escort.....	Lunenburg.....	59	4 13	4 13	8 26
f. McDaniel....	41	Brig Primula..... ...	Norway.....	247	9 00	11 00	20 00
		Total for St. Mary's..	....	.....	.....	.....	72 91

WILLIAM PRIDE,
Secretary to Commissioners.

APPENDIX No. 21.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF SYDNEY, C.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

NORTH SYDNEY, C.B., 12th January, 1888.

SIR,—I beg to wait on you with Pilotage returns from this District for the past year.

Further particulars of amount paid each and every pilot will be forwarded later on, as soon as I can receive returns from the different collectors.

I have the honour to be, Sir,

Your obedient servant,

W. PURVES,

Sec.-Treas. Pilotage Authority of Sydney.

W. SMITH, Esq.,
Deputy Minister of Marine, &c.,
Ottawa.

NAME and Age of each and every Pilot for the District of Sydney, C.B., for the year 1887.

No.	Name.	Age.	No.	Name.	Age.
1	James Petrie	67	19	Angus McNeil	44
2	John Carroll	60	20	Hugh McGillvery	57
3	John Brown	65	21	J. D McGillvery	41
4	David Mullins	60	22	John Carroll, jun	36
5	John Curran	61	23	George Brown	50
6	Thomas Doyle	67	24	Lawrence Connell	45
7	John Petrie	57	25	James Carroll	31
8	Con. Mullins	57	26	Dan. Petrie	31
9	D. McGillvery	59	27	John McNeil	35
10	Wm. Ratchford	50	28	Peter Burke	35
11	D. McGillvery (Big)	67	29	Jas. Shannahan	36
12	John Cann	37	30	Patrick Young	31
13	John Mullins	37	31	Wm. Brown	30
14	Syl. Shannahan	45	32	Donald McInnes	61
15	Andrew Ratchford	43	33	Thomas Ratchford	32
16	John Fraser	47	34	G. D. Townsend	39
17	Jas. McGillvery	37	35	J. B. McGillvary	41
18	George Townsend	67			

STATEMENT of arrivals paying Pilotage and of Pilotage received in the District of Sydney, C.B., during the year 1887:—

SYDNEY.

	No.	Tonnage.
British steamers	38	40,539
Foreign do	16	10,577
British sailing vessels	42	7,109
Foreign do	5	2,628
Totals	101	60,853

Pilotage Received.

From British vessels	$1,872
do Foreign do	285
Total pilotage	$2,157

INTERNATIONAL MINES.

	No.	Tonnage.
British steamers	50	60,197
Foreign do	20	19,477
British sailing vessels	36	5,519
Totals	106	85,193

Pilotage Received.

From British vessels	$2,662
do Foreign do	541
Total pilotage	$3,203

SOUTH BAR OR VICTORIA.

	No.	Tonnage.
British steamers	35	32,445
Foreign do	8	11,538
British sailing vessels	34	4,273
Totals	77	48,256

Pilotage Received.

From British vessels	$1,459
do Foreign do	502
Total pilotage	$1,961

NORTH SYDNEY.

British steamers	64	65,704
Foreign do	6	5,760
British sailing vessels	229	60,023
Foreign do	39	13,764
Totals	338	145,251

Pilotage Received.

From British vessels	$4,530 00
do Foreign do	790 50
Total pilotage	$5,320 50

RECAPITULATION.

Ports.	No. of Vessels.	Tonnage.	Amount of Pilotage.
			$ cts.
North Sydney	338	145,251	5,320 00
Victoria	77	48,256	1,961 00
International	106	85,193	3,203 00
Sydney	101	60,853	2,157 00
Totals	622	339,553	12,641 00

MASTERS Licensed, 1887.

No.	Names.	Class.	Vessel.	Amount.
				$ cts.
1	J. P. Augrore	Steamship	St. Pierre	20 00
2	R. LeChase	do	Polino	20 00
3	R. Fraser	do	Coban	20 00
5	M. McDonald	do	Cacouna	20 00
6	J. Delisle	do	Graenland	20 00
7	J. MacGrath	do	Acadia	20 00
8	C. Ormiston	Schooner	M. Millard	10 00
			Total	130 00

STATEMENT of Receipts and Expenditure in connection with the Pilotage Authority of Sydney, C.B., for the year 1887.

RECEIPTS.	$ cts.	$ cts.
Received for licenses and bonds	105 00	
do boats' licenses	28 00	
do masters' do	130 00	
Total pilotage per statement	12,641 00	
		12,904 00
EXPENDITURE.		
Paid pilots, by collectors	11,812 43	
Collected on relief account	204 00	
Commission to collectors	624 57	
Commissioners, for expenses	150 00	
Books, printing and stationery	27 00	
Telegrams and postage	6 72	
Secretary and treasurer	100 00	
		12,924 72
Excess of expenditure over receipts		20 72

STATEMENT of the Pilotage Account of the Pilotage Authority of Sydney, C B.

1887.		$ cts	1887.		$ cts.
May 10...	To Widow Madow	20 00	Jan. 10...	By Balance	57 39
	do Brown	20 00	Dec. 31...	Amount collected on relief account	204 00
Oct. 10...	do Daly	20 00		Interest on deposit	24 00
	do Mullins	20 00			
do 24...	D. McGillvery	40 00			
Dec. 17...	Widow Madow	10 00			
	do Brown	10 00			
	do Daly	10 00			
	do Mullins	10 00			
1888.	Bank exchange	4 75			
Jan. 12...	To Over expenditure, per returns	20 72			
do 12...	Balance down	99 92			
		285 39			285 39
			1888.		
			Jan. 12...	By Balance on hand brought down	99 92

AMOUNT paid each Pilot for the year 1887.

No.	Names.	Amount.	No.	Names.	Amount.
		$ cts.			$ cts.
1	James Petrie	390 31	19	Angus McNeil	227 32
2	John Carroll	326 85	20	Hugh McGillvery	328 00
3	John Brown	326 85	21	J. D. McGillvery	328 00
4	David Mullins	309 00	22	John Carroll, jun	326 85
5	John Curran	326 85	23	George Brown	322 30
6	Thomas Doyle	262 48	24	Lawrence Connell	262 48
7	John Petrie	262 48	25	James Carroll	310 85
8	Con. Mullins	309 00	26	Daniel Petrie	390 31
9	D. McGillvery	309 00	27	John McNeil	227 32
10	Wm. Ratchford	262 48	28	Peter Burke	227 32
11	D. McGillvery (Big)	309 00	29	J. Shannahan	309 00
12	John Cann	322 30	30	Pat. K. Young	390 31
13	John Mullins	355 80	31	Wm. Brown	326 85
14	Syl. Shannahan	322 30	32	Donald McInnes	262 48
15	Andrew Ratchford	326 85	33	Thos. Ratchford	262 48
16	John Fraser	309 00	34	G. D. Townsend	309 00
17	Jas. McGillvery	328 00	35	J. B. McGillvery	262 48
18	George Townsend	262 48			
		5,621 03			5,073 35

Total paid Pilots	$10,694.38
do Apprentices	1,118.05
Total pilotage paid	$11,812.43

W. PURVES,

Sec-Treas. Sydney Pilotage Authority.

NORTH SYDNEY, C.B., 13th Jan., 1888.

APPENDIX No. 22.

REPORT OF THE PILOTAGE DISTRICT OF YALE AND NEW WESTMINSTER FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

BURRARD INLET, B.C., February, 1888.

SIR,—I have the honour to enclose herewith returns of the Pilotage Authority for the District of Yale and New Westminster for year ending 31st December, 1887.

I have the honour to be, Sir,

Yours, &c.,

B. SPRINGER,

Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

YALE and New Westminster Pilotage District—Licensed Pilots.

No. of License.	Name of Pilot.	Age.	Remarks.	Service.
3	William Ettershank	45	Suspended for six months.	Licensed to pilot vessels of every description within the waters of the district.
6	Angus McAlister	43		
10	James Gaudin	48	Resigned.	
11	Donald Urquhart	40		

Pilotage dues for the time being in force are as follows:—

	Per foot.
Vessels entering into or clearing from the Port of Burrard Inlet under sail	$4 00
Vessels entering into or clearing from the Port of Burrard Inlet in tow of a steamer	3 00
Vessels entering into or clearing from the Port of Burrard Inlet under steam	1 50

If the services of a pilot are not required vessels spoken shall pay as follows:—

	Per foot.
Under sail	$2 00
do steam	1 50

The pilotage from Cape Flattery or Royal Roads to a line drawn from Point Atkinson to Point Gray and *vice versa* is not compulsory, but if the services of a pilot are required the rates are as follows:—

For vessels under sail:—

	Per foot.
From Cape Flattery	$6 00
Callum Bay	5 00
Beechy Head	4 00
Race Rocks or Royal Roads	3 00

For vessels under steam or in tow of a steamer:—

From Cape Flattery	$3 00
Callum Bay	2 50
Beechy Head	2 00
Race Rocks or Royal Roads	1 00

New Westminster, from the lighthouse:—

For vessels under sail	$4 00
do in tow	3 00
do under steam	1 50

From the lighthouse on Fraser River sand heads to Cape Flattery or Royal Roads and *vice versa* the pilotage is not compulsory, but if the services of a pilot is required the rates are as follows:—

Vessels under sail:—

	Per foot.
From Cape Flattery	$6 00
Callum Bay	5 00
Beechy Head	4 00
Race Rocks or Royal Roads	3 00

And for vessels under steam or in tow the rates are as follows:—

From Cape Flattery	$3 00
Callum Bay	2 50
Beechy Head	2 00
Race Rocks or Royal Roads	1 00

Pilotage collected during the year as follows at the Port of Burrard Inlet:—

34 British vessels inward, 44,709 tons	$1,525 50	
30 do outward, 38,592 tons	1,837 50	
		$3,363 00
55 Foreign vessels inward, 51,400 tons	$1,657 25	
56 do outward, 52,286 tons	1,975 75	
		3,633 00
Total		$6,996 00

Pilot boat "Mary Taylor," No. 1, 5 tons register.

RECEIPTS and Expenditures of all moneys received by or on behalf of the Pilotage Authority in respect of pilots or pilotage for year ending 31st December, 1887:—

Receipts.

Balance on hand from last year	$ 169 37	
Pilotage dues	6,996 00	
License	20 00	
		$7,185 37

Expenditure.

Paid pilots	$6,296 42	
" W. A. Campbell " (remitted)	24 00	
Secretary	300 00	
Stationery, telegrams, &c	10 25	
Commissioners' expenses	17 50	
Collecting	85 00	
Balance	452 20	
		$7,185 37

RICHARD ALEXANER,
Chairman.

B. SPRINGER,
Secretary.

BURRARD INLET, B.C., 31st December, 1887.

APPENDIX No. 23.

REPORT OF THE PILOTAGE DISTRICT OF NANAIMO, B. C., FOR THE CALENDAR YEAR ENDED THE 31ST DECEMBER, 1887.

NANAIMO, B.C., 5th January, 1888.

SIR,—I have the honour to transmit herewith the pilotage returns for this district, for the year ended 31st December, 1887.

I have the honour to be, Sir,

Your obedient servant,

GEO. THOMSON,

Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

LICENSED PILOTS, Nanaimo District.

John Sabiston, sen.,
Wm. McDonald,
John W. Glaholm,
John Sabiston, jun.
* Daniel Morrison.

* Under suspension for the stranding steamer "Mexico," on Bell Chain Reef, from 2nd April 1887, to 2nd April, 1888.

PILOTAGE DUES collected from 1st January to 31st December, 1887.

Receipts.

Balance on hand from last year	$ 149 32
Pilots' earnings	8,240 00
Examination fee	25 00
License fee	50 00
	$8,464 32

Expenditure.

Cash paid pilots	$7,688 12
Commission examination fee	25 00
Geo. Norris, printing	14 50
E. Pimbury, 1 chart	2 25
Commissioners (3) salaries	175 00
Secretary	240 00
Rent of office	120 00
Postage and stationery	5 75

Coal and coal oil	7 50
Travelling expenses of Commission and secretary to Victoria, H. Morrison's trial	80 00
	$8,358 12
To balance	106 20
	$8,464 32

Approved and certified correct.

E. QUENNELL,
J. E. JENKINS,
C. C. McKENZIE,
Commissioners.

APPENDIX No 24,

REPORT OF THE PILOTAGE AUTHORITY OF VICTORIA AND ESQUIMALT FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

VICTORIA, B.C., 31st December, 1887.

PILOTAGE Returns, Victoria and Esquimalt Pilotage District, B.C., 1st January to 31st December, 1887.

LICENSED PILOTS.

No.	Name.	Age	Date of Issue.	Seniority.	Remarks.
1	James McIntosh	59	April 23, '80	Jan. 9, '73.	Originally a B. C. Pilot.
2	John Thompson.....	38	April 23, '80	Dec. 4, '78.	Originally a B. C. Pilot.

The foregoing is a list of licensed pilots, now reduced to two in number, and who are the only ones who have prosecuted such calling in the above named district. All those mentioned in list of 1886 have either retired from the service and taken command of local steamers or are employed as pilots in other British Columbia Districts.

There are no masters and mates acting under license from this Pilotage Authority; all the certificates mentioned last year disappear by efflux of time.

Clauses I, II and III (page 213, Supplement to 19th Annual Report) apply to the year just expired as well as to 1886, with the following reductions: Order in Council, 13th June, 1887, regular mail steamers to $1.50 per foot each way; 30th June, 1887, China and Japan steamers to $1 per foot each way, by telegraphed authority from Minister.

Same Acts and parts of Acts as last year apply to 1887, and list of exempted vessels and Puget Sound rates remain the same.

EDGAR CROW BAKER,
Secretary-Treasurer.

PILOTAGE Dues Collected, 1st January to 31st December, 1887.

Month.	British.	Foreign.	Total.	Remarks.
	$ cts.	$ cts.	$ cts.	
January	135 25	723 25	858 50	N.B.—The total of $8,364.60 does not include a sum of $300.00 collected from Puget Sound steamers, and a further sum of $50.00 from American tugs.
February	10 00	546 50	556 50	
March	123 00	559 25	682 25	
April	.....	602 60	602 60	
May	85 50	830 25	915 75	
June	53 50	614 00	667 50	
July	97 50	528 40	625 90	
August	189 00	494 25	683 25	
September	299 50	449 85	749 35	
October	285 25	521 50	806 75	
November	329 50	426 25	755 75	
December	.....	460 50	460 50	
	1,608 00	6,756 60	8,364 60	

EDGAR CROW BAKER,
Secretary-Treasurer.

VICTORIA, B.C.,
31st December, 1887.

DR. RECEIPTS and Expenditure, 1st January to 31st December, 1887. CR.

Date.	Nature of Receipt.	Amount.	Date.	Head of Service.	Amount.
1887.		$ cts.	1887.		$ cts.
Jan. 1 to Dec. 31	To Balance from last year	280 00	Jan. 1 to Dec. 31	By B. C. Pilots. Division *re* American tugs	80 00
do	Pilotage dues under Clause IV	8,364 60	do	do Division *re* Puget Sound	200 00
do	Certificate fees, O. R. & N. steamers	300 00	do	do Earnings as per receipts	7,528 14
do	Half pilotage, American tugs	50 00	do	Expenses of investigations, 12 months	180 00
			do	Office expenses, rent, fuel, gas, &c	276 66
			do	Secretary-treasurer, 12 months' services	398 46
			December 31	Balance at credit of Pilotage Authority (Since divided between pilots)	331 34
		8,994 60			8,994 60

Approved and certified correct:—

RODERICK FINLAYSON,
W. R. CLARKE,
R. P. RITHET,
} *Commissioners.*

EDGAR CROW BAKER,
Secretary-Treasurer.

VICTORIA, B.C., 7th January, 1888.

APPENDIX No. 25.

REPORT OF THE CHAIRMAN OF THE BOARD OF EXAMINERS OF MASTERS AND MATES FOR THE CALENDAR YEAR ENDING THE 31ST DECEMBER, 1887.

HALIFAX, N.S., 4th January, 1888.

SIR,—I have the honour to submit the report of the proceedings of the Board of Examiners of Masters and Mates for the year ending 31st December, 1887.

The Board met at the several ports with the following results :—

At Halifax, N.S., 10th and 11th January :

Certificates granted Masters	2	
do do Mates	1	
	—	3

Two Masters and one Mate failing in navigation.

At Yarmouth, N.S., 21st and 22nd January :

Certificates granted Mates	2	
	—	2

At St. John, N. B., 26th and 27th January :

Certificates granted Masters	1	
do do 2nd Mates	1	
	—	2

At Halifax, N.S., 10th and 11th February :

Certificates granted Masters	3	
do do Mates	2	
	—	5

One Master failing in navigation.

At St. John, N. B., 17 and 18th February :

Certificates granted Masters	1	
do do Mates	1	
	—	2

At Yarmouth, N.S., 21st and 22nd February :

Certificates granted Masters	1	
do do Mates	1	
	—	2

Two Mates failing in navigation.

At Quebec, 5th and 7th March :

Certificates granted Masters	2	
	—	2

At Halifax, N.S., 17th and 18th March :

Certificates granted Masters	4	
do do Mates	4	
	—	8

One Mate failing in navigation.

At St. John, N.B., 21st and 22nd March :

Certificates granted Mates	1	
	—	1

One Mate failing in navigation.

At Yarmouth, N.S., 24th and 25th March:

Certificates granted Masters	1	
do do Mates	1	
	—	2

One Mate failing in navigation.

At St. John, N. B., 13th and 14th April:

Certificates granted Masters	1	
do do Mates	2	
do do 2nd Mates	1	
	—	4

Two Masters failing in navigation.

At Quebec, 16th and 18th April.

Certificates granted Masters	1	
do do 2nd Mates	1	
	—	2

At Yarmouth, N.S., 30th April and 2nd May:

Certificates granted Masters	1	
do do Mates	2	
	—	3

One Master failing in navigation.

At Halifax, N.S., 5th and 6th May:

Certificates granted Masters	1	
do do Mates	3	
	—	4

One Master and three Mates failing in navigation.

At St. John, N.B., 11th and 12th May:

Certificates granted Masters	2	
do do Mates	2	
	—	4

Two Masters and three Mates failing in navigation.

At Yarmouth, N.S., 6th and 7th June:

Certificates granted Masters	3	
do do Mates	4	
	—	7

Two Mates failing in navigation.

At St. John, N.B., 10th and 11th June:

Certificates granted Masters	1	
do do Mates	5	
	—	6

One Master and two Mates failing in navigation.
One Master and one Mate failing in seamanship.

At Halifax, N.S., 14th and 15th June:

Certificates granted Masters	1	
do do Mates	3	
do do 2nd Mates	1	
	—	4

Two Mates failing in navigation.

At Halifax, N.S., 18th and 19th July:

Certificates granted Masters	2	
do do Mates	5	
	—	7

At St. John, N.B., 21st and 22nd July:

Certificates granted Masters	1	
do do Mates	2	
	—	3

One Mate failing in navigation.

At Yarmouth, N.S., 23rd and 25th July:

Certificates granted Masters	2	
do do Mates	1	
	—	3

Two Mates failing in navigation.

At Halifax, N.S., 9th and 10th August:

Certificates granted Masters	1	
do do 2nd Mates	1	
	—	2

One Master failing in navigation.

At St. John, N.B., 17th and 18th August:

Certificates granted Masters	1	
do do Mates	6	
	—	7

One Mate failing in navigation.

At Yarmouth, N.S., 20th and 22nd August:

Certificates granted Masters	2	
do do Mates	3	
	—	5

One Mate failing in navigation.

At Halifax, N.S., 8th and 9th September:

Certificates granted Masters	1	
do do Mates	2	
	—	3

Two Masters and one Mate failing in navigation.

At St. John, N.B., 15th and 16th September:

Certificates granted Masters		2

One Master and one Mate failing in navigation.

At Yarmouth, N.S., 17th and 19th September:

Certificates granted Masters	1	
do do Mates	1	
	—	2

One Master and two Mates failing in navigation.

At Halifax, N.S., 5th and 6th October:

Certificates granted Masters	1	
do do Mates	1	
do do 2nd Mates	1	
	—	3

One Mate failing in navigation.

At St. John, N.B., 18th and 19th October:

Certificates granted Masters	1	
do do Mates	1	
	—	2

One Mate failing in navigation.

At Yarmouth, N.S., 24th and 25th October:

Certificates granted Masters	2	
do do Mates	1	
	—	3

One Mate failing in navigation.

At Halifax, N.S., 8th and 9th November:

Certificates granted Masters	2	
do do Mates	2	
	—	4

Two Mates and one 2nd Mate failing in navigation.

At St. John, N.B., 11th and 12th November.

Certificates granted Masters	1	
do do Mates	1	
	—	2

At Yarmouth, N.S., 22nd and 23rd November:

Certificates granted Masters		3

At Halifax, N.S., 5th and 6th December:

Certificates granted Masters	2	
do do Mates	5	
do do 2nd Mates	1	
	—	8

One Mate and one 2nd Mate failing in navigation.

At St. John, N.B., 8th and 9th December:

Certificates granted Masters	3	
do do 2nd Mates	1	
	—	4

Two Mates failing in navigation.

At Yarmouth, N.S., 12th and 13th December;

Certificates granted Masters	1	
do do 2nd Mates	1	
	—	2
Thus it will be seen that the number passing were		129
Number of applications at Halifax		74
do failures do	22	
do applications at St. John		59
do failures do	20	
do applications at Yarmouth		47
do failures do	13	
do applications at Quebec		4
do failures do	0	
Total number of applications		184
do do failures	55	

I am, Sir,

Your obedient servant,

P. A. SCOTT,

Chairman.

LIST of Certificates of Competency and Service granted to Masters and Mates of Inland and Coasting Vessels, for the Year ended 31st December, 1887.

SERVICE.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2396	Jan. 10...	John White	Master, steamer, minor inland.	Grenville, P.Q	Ottawa	8 00
2397	do 18...	John Dandy	Master, schooner, inland.	Kingston, Ont	Kingston, Ont	4 00
2398	do 28...	Norman Brown	Master, fore and aft, coasting.	Harborville, N.S	Halifax, N.S	*
2399	do 28...	John Hibbert Morris	Master, square rig, coasting.	Advocate, N.S	Parrsboro', N.S.	*
2400	Feb. 4...	William Gerow	Master, fore and aft, inland.	Rossmore, Ont	Picton, Ont	4 00
2401	do 7...	John Henry Lyons	Master, fore and aft, coasting.	Barrington, N.S	Shelburne	4 00
2402	do 9...	Joseph Sherlam	Master, fore and aft, inland.	Dover South, Ont.	Toronto, Ont.	4 00
2403	do 14...	Joseph Oliver	Master, fore and aft, coasting.	Port Gilbert, N.S.	Yarmouth, N.S	4 00
2404	Mar. 2...	Joseph Ganley	Master, steamer, minor inland.	Collingwood, Ont	Toronto	4 00
2405	do 2...	Charles Jesty	Master, fore and aft, coasting.	Halifax, N.S	Halifax	4 00
2406	do 8...	Murdock Mackenzie	Master, fore and aft, inland.	Kincardine, Ont	Goderich	4 00
2407	do 8...	Archibald Currie	Master, square rig, coasting.	Cow Bay, C.B.	Sydney	4 00
2408	do 9...	John Wellington Keast	Master, fore and aft, coasting.	Indiantown, N.B	St. John	4 00
2409	do 10...	Frank McDermand	Master, steamer, minor inland.	Wallaceburg, Ont	St. Catharines	4 00
2410	do 11...	James E. Easterbrook	Master, steamer, coasting.	St. John, N.B	St. John	4 00
2411	do 14...	Eugene McCormick	Mate, steamer, minor inland.	Windsor, Ont	St. Catharines	2 00
2412	do 14...	James Hickey	Master do	do	do	4 00
2413	do 14...	David Jas. Allan	Mate, fore and aft, inland.	Port Dover, Ont	do	2 00
2414	do 17...	Edmund Patrick McGannon.	Master, steamer, minor inland.	Morrisburg, Ont	Toronto	4 00
2415	do 18...	Paul Pilon	Mate do	Ste. Anne, Bout de l'Isle, P.Q.	Ottawa	2 00
2416	do 22...	James Fredk. Jermin	Master, steamer, inland.	Amherstburg, Ont.	St. Catharines	4 00
2417	do 22...	John Jarrell	Mate, fore and aft, and steamer, inland.	Kingston, Ont	Kingston	2 00
2418	do 22...	James McDonnell	Master do do	do	do	4 00
2419	do 22...	John C. Nelson	Master, fore and aft, coasting.	Arcadia, N.S.	Yarmouth	4 00
2420	Mar. 22...	Peter Cameron	Mate, steamer, inland.	Collingwood, Ont.	Toronto	2 00
2421	do 22...	John Bartley	Master, fore and aft, and steamer, inland.	McDonald's P.O., Fredericksburg, Ont.	Kingston	4 00

* Paid before.

LIST of Certificates of Service granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2422	Mar. 26...	William Hy. Bottum	Master, steamer, minor inland.	Bobcaygeon, Ont...	Toronto	4 00
2423	do 26...	Alex. McLeod	Mate, fore and aft, inland.	Kincardine, Ont...	do	2 00
2424	do 26...	Jno. McCulloch	Master, fore and aft, inland.	Windsor, Ont.	do	4 00
2425	do 30...	Cyrus S. Dean.....	Master, steamer, minor inland.	Fort Erie, U.S.....	do	4 00
2426	April 2...	Edward Hewitt	Master, steamer, inland.	Toronto	do	4 00
2427	do 2...	John Moses	Mate, square rig, sailing vessel, inland.	Wallaceburg, Ont.	St. Catharines	2 00
2428	do 5...	Patrick Gallagher	Master do ...	St. Catharines, Ont	do ...	4 00
2429	do 6...	Malcolm Rosey	Mate, fore and aft, inland.	do do ...	do ...	2 00
2430	do 9...	Allan Gauthier	Master, steam tug, inland.	St. Ann's, P.Q	Ottawa.	4 00
2431	do 12...	James Bell	Master, fore and aft, and steam tug, inland.	Burlington, Ont....	Toronto	4 00
2432	do 12...	Rich'd Fugler	do do ...	Toronto	do	4 00
2433	do 12...	Jno. E. Belyea.....	Master, steam tug, minor inland.	Penetanguishene..	do	4 00
2434	do 13...	William Gelliam	Mate, fore and aft, inland.	Bronté, Ont.....	do	2 00
2435	do 20...	William Vessey	Master, fore and aft, and steamer, inland.	Windsor, Ont.... ..	do	4 00
2436	do 20...	John S. Cameron	Master, steam tug, minor inland.	Gore Bay, Ont	do	4 00
2437	do 21...	James Lamb.....	Master, fore and aft, coasting.	Parrsboro', N.S. ...	Parrsboro'	4 00
2438	do 21...	Israel Haines	do do ...	Yarmouth, N.S.. ...	Yarmouth	4 00
2439	do 21...	Harple Swansbury.....	do do ...	Shelburne, N.S.....	Shelburne	4 00
2440	do 25...	George Mayers	Master, steamer, minor inland.	New Westminster, B.C.	Victoria, B.C..	4 00
2441	do 25...	John B. Bowerman	do do ...	Port Perry, Ont....	Toronto	4 00
2442	do 26...	Wm. Risley Fellows	Master, fore and aft, inland.	Blenheim, Ont.....	St. Catharines	4 00
2443	do 26...	Jeremiah Duprey	Master, fore and aft, inland.	River Ruscom, Essex Co., Ont.	St. Catharines	4 00
2444	May 2...	Andrew Mulhern.....	Master, fore and aft, coasting.	Carleton, St. John, N.B.	St. John	4 00
2445	do 5...	Alfred Allard.....	Mate, steamer, minor inland.	Sorel, P.Q.....	Montreal	2 00
2446	do 5...	Thomas Adams	Mate, fore and aft, inland.	Hamilton, Ont.....	St. Catharines	*
2447	do 6...	Thomas J. Oneill	Master, steamer, inland.	Port Colborne, Ont	do ...	4 00
2448	do 7...	Stephen Tyo, jun.	Mate, fore and aft, inland.	Kingston, Ont.....	Kingston..	2 00

* Paid before.

LIST of Certificates of Service granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee
	1887.					$ ct
2449	May 7...	Richard Freeman.....	Mate, fore and aft, inland.	St. Catharines, Ont	St. Catharines	2
2450	do 9...	John Milne	do do ...	Port Burwell, Ont.	do ...	2
2451	do 9...	Isidore Frenette	Master, steamer, minor inland.	Portneuf, P.Q.....	Quebec.	4
2452	do 10...	William Wesley Stower..	Master, tug, minor inland.	Sombra, Lambton, Ont.	Toronto	4
2453	do 10...	Henry Colton.....	Mate, fore and aft, inland.	St. Catharines, Ont	St Catharines	2
2454	do 11...	Alfred St. Germain.....	Master, tug, minor inland	Ottawa	Ottawa	4
2455	do 11...	Theodore Hooper.....	Master, fore and aft, coasting.	Amherstburg, Ont.	St. Catharines	4
2456	do 12...	Thomas F. Hayes.....	Master, steamer, inland.	Kingston, Ont.....	Kingston.....	4
2457	do 17...	Robert Milne.....	do do ...	do	do	4
2458	do 21...	William Quinn	Master, fore and aft, coasting.	St. John, N.B.....	St. John.....	4
2459	do 25...	John Varner.....	Master, square rig, and steamer, inland.	Amherstburg, Ont.	St. Catharines	4
2460	do 27...	William Scollard.....	Master, steamer, minor inland.	Young's Point, Ont	do ...	4
2461	do 27...	Henry Gibson.....	Mate, fore and aft, inland, steamer, Toronto Bay.	Toronto, Ont.	do ...	2
246	do 30...	Robert W. Maloney.....	Master, steam tug, Thunder Bay.	Port Arthur, Ont.	Port Arthur...	4
2463	June 7...	Elisha Ed. Grant	Master, square rig, coasting	Port Grenville, N.S	Parrsboro'.....	*
2464	do 6...	James Malloy.....	Master, steamer, inland	Windsor, Ont.....	St. Catharines	4
2465	do 6...	John Welsh.....	Master, fore and aft, inland.	do	do ...	4
2466	do 6...	David Jno. Prichard.....	Master, steam tug, minor inland.	Bedford Mills, Leeds Co., Ont.	Ottawa.....	4
2467	do 6...	John W. Irwin	Master, fore and aft, inland fishing, steamer, Thunder Bay.	Port Arthur, Ont...	St. Catharines	4
2468	do 6...	Edward McCalpine.....	Master, steamer, Muskoka Lakes.	Gravenhurst, Ont.	Gravenhurst...	4
2469	do 4...	John Jesmer.....	Master, steamer, minor inland.	Cornwall, Ont.....	Kingston.....	4
2470	do 4...	Francis Dewitty.....	Master, fore and aft, sailing, inland.	Black River Bri4ge, Prince Edward Co., Ont	do	4
2471	do 6...	Frederick Campbell.....	Mate, square rig, sailing, inland.	Port Dalhousie, Ont.	St. Catharines	2
2472	do 11...	Martin Staley.....	Master, fore and aft, inland.	Kingston, Ont.....	Kingston.....	4
7473	do 11...	Whitney O. Craft.....	Master, fore and aft, coasting.	Portland, N.B	St. John.....	4
2474	do 14...	Ronald Jas. McDonell....	Master, square rig, inland.	Wallaceburg, Ont.	St. Catharines	4

* Paid before.

LIST of Certificates of Service granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2475	June 16...	David Coombes.....	Master, fore and aft, coasting	Gibson, N.B	St. John.....	4 00
2476	do 16...	Miles Murphy.....	Mate, steamer, inland	Elgin, Leeds Co., Ont.	Kingston.....	2 00
2477	do 23...	Robert Sutherlan.....	Master, steamer, inland.	Windsor, Ont.....	St. Catharines	4 00
2478	do 23...	Alexander Dowling.....	Master, fore and aft, coasting.	St. John, N.B.....	St. John.....	4 00
2479	July 11...	Richard Bilton.....	Master, fore and aft inland.	Kingston.....	St. Catharines	4 00
2480	do 11...	Thomas Moffat.....	Master, tug, minor inland and passenger steamer.	Perth, Ont.....	Kingston.....	4 00
2481	do 12...	Michael Seroux	Master, steamer, inland.	Midland City.....	St. Catharines	4 00
2482	do 13...	James Kennedy.....	Master, steam tug, St. Mary River, Georgian Bay, Lake Huron.	Thessalon, Ont ...	do ...	4 00
2483	do 23...	Chas. B. Crawford.....	Master, ferry boat, Detroit River.	Windsor, Ont	do ...	4 00
2484	do 23...	Albert J. Huntoon.....	Master of a ferry boat on the Detroit River.	do	do ...	4 00
2485	do 25...	William Board.....	Mate, steamer, Muskoka Lakes.	Gravenhurst, Ont.	do ...	2 00
2486	do 25...	Frank Bernard.....	Mate, steam tug, inland waters.	Amherstburg.....	do ...	2 00
2487	do 29...	Robert Sterling.....	do do ...	Toronto	do ...	2 00
2488	do 29...	Gregory W. McGregor...	Master, steamer, inland.	Sarnia, Ont.	do ...	4 00
2489	July 29...	Walter Power	Master, steam tug, inland.	Wallaceburg, Ont.	St. Catharines	4 00
2490	Aug. 13...	Augustus Keller	Master, steamer, inland.	Mitchell's Bay, Kent Co., Ont.	do ...	4 00
2491	do 13...	John Lord Jemison	Mate, fore and aft, sailing, coasting	Hopewell Cape, Albert Co., N.B.	St. John.....	2 00
2492	do 13...	James B. McMillan.....	Master, st'r, ferry, Niagara River.	Niagara, Ont	St. Catharines	4 00
2493	do 13...	Daniel J. Kenney	Master, steamer, minor inland.	Jones' Falls, Ont..	Ottawa	4 00
2494	do 13...	Henry Clark.....	Mate, fore and aft, inland.	Barriefield, Ont. ...	Kingston	2 00
2495	do 20...	Robert Jas. Austin	Mate, fore and aft, sailing and st'r, inland.	Sunbury, Frontenac, Ont.	do	2 00
2496	do 22...	David H. Conly	Master, coasting ...	Lower Granville, N.S.	Thorn's Cove, N.S.	4 00
2497	do 23...	Alfred H. Titus	Mate, fore and aft, inland.	Sarnia, Ont.	St. Catharines	2 00
2498	do 30...	Robert Delaney	Master, steamer, inland.	Prescott, Ont.	Kingston	4 00
2499	Sept. 2...	William Griffin	Mate, fore and aft, sailing, inland	Hamilton, Ont	St. Catharines	2 00
2500	do 7...	Robert J. Ormiston	Master, fore and aft, sailing, coasting	Gabarus, Cape Breton.	Halifax.....	4 00
2501	do 7...	Thomas Lynch	Master, steamer, minor inland.	Westport, Ont.....	Ottawa.....	4 00

LIST of Certificates of Service granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2502	Sept. 22...	James McHaney	Master, st'r. minor inland. Limited to Lake and River St. Clair, and Detroit River.	Mitchell'sBay, Kent Co., Ont.	St. Catharines	4 00
2503	do 22...	James Kirkwood.....	Mate, fore and aft, inland.	Kingston, Ont.....	Kingston	2 00
2504	do 22...	Reed Longmire	Mate, fore and aft, coasting.	Annapolis, N.S	St. John	2 00
2505	do 23...	William Armstrong	Master, tug. Limited to Welland Canal.	Port Colborne, Ont	St. Catharines	4 00
2506	do 22...	Henry Walton.....	Master, st'r, minor inland. Limited to Muskoka Lakes. Parry Sound, and Maganetawan Sound.	Burk's Falls, Muskoka District.	do ...	4 00
2507	Oct. 10...	Samuel Lamberd...	Master, st'r, minor inland. Limited to Rice Lake, Ont.	Hastings, Ont	Toronto	4 00
2508	do 10...	Martin Brennan	Master, fore and aft, inland.	St. Catharines	St. Catharines	4 00
2509	do 10...	Robert Snetsinger	do do ...	Colborne	Cobourg	4 00
2510	do 10...	John A. McDonald.....	Mate, steamer, inland.	Dresden, Ont.....	St Catharines	2 00
2511	do 15...	William G. Dowling.....	Master, sq. rigged, coasting.	St. John, N.B.	St. John	4 00
2512	do 24...	Wilson Estabrook.	Master, fore and aft, coasting.	Sackville, N.B	do	4 00
2513	do 28...	John Wm. Falker.	Master, sq. rigged, coasting.	Hantsport, N.S.....	Halifax.	2 00
2514	do 31...	John Omamese.	Master, steam tug, Georgian Bay.	Indian Reserve. ...	Toronto	4 00
2515	do 31...	William H. Goodwin	Master, fore and aft, coasting.	Lower Argyle, N.S	Yarmouth	4 00
2516	Nov. 9...	Alfred Wm. Parkin.	Master, steamer, minor inland.	Lindsay, Ont.	Toronto	4 00
2517	do 18...	William Alva McLellan..	Mate, fore and aft, coasting.	Port Greville, N.S.	Halifax.	2 00
2518	do 18...	James Merriam.....	do do ...	Parrsboro' N.S.....	do	2 00
2519	do 18...	James Slammon.....	Master, fore and aft, sailing inland.	Cobourg, Ont.....	Cobourg.....	4 00
2520	do 30...	Benjamin De W. King....	Master, fore and aft, coasting; mate, sea-going, fore and aft.	Parrsboro' N.S.....	Parrsboro'.....	4 00
2521	do 30...	De Wilton Holmes.	do do ...	Hantsport, N.S.....	do	4 00
2522	do 30...	James Winter.	Mate, fore and aft, inland.	Owen Sound, Ont.	Toronto	2 00
2523	Dec. 5...	Richard Oliver	Master, steam tug, N. side Georgian Bay.	Little Current, Ont	St. Catharines	4 00
2524	do 6...	Herman R. Smith.....	Master, steamer, coasting.	Victoria, B.C.	Victoria.....	4 00

LIST of Certificates of Service granted to Masters and Mates—*Concluded.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2525	Dec. 13...	John Burge	Master, fore and aft, inland.	Port Burwell, Ont.	St. Catharines	4 00
2526	do 21...	Pierre Sauvé	Master, steam tug, minor inland.	Carillon, Que.	Ottawa	4 00
2527	do 24...	James Quirk	Mate, fore and aft, inland.	Collingwood, Ont.	St. Catharines	2 00
2528	do 31...	Thomas Penny	Master, steam tug, minor inland.	Vancouver, B.C.	Victoria	4 00
2529	do 31...	Thomas J. Sims	Master, fore and aft- and st'r, coasting	do	do	4 00
2530	do 31...	Angel Keffee	do do	Victoria, B.C.	do	4 00

SERVICE—SEA-GOING.

1394	Feb. 8...	Samuel Berry Hicks	Mate, fore and aft, not exceeding 150 tons.	Liverpool, N.S.	Liverpool	3 00
1395	do 8...	Abraham Melson	Master do	Port Medway, N.S.	do	5 00
1396	Mar. 2...	Levi Caldwell	Mate	Summerville, Hants Co., N S.	Halifax.	3 00
1397	do 26...	Edward Crews	Mate, sq. rigged, not exceeding 150 tons.	Barrington, N.S.	Yarmouth	5 00
1398	Aug. 22...	Herbert Johnson	Mate, fore and aft, sailing under 150 tons.	Lower Granville, N.S.	Thorne'sCove, N.S.	5 00
1399	Oct. 10...	Isaac W. Bagnall	Master, fore and aft, sailing under 150 tons.	Sydney, C.B	Halifax.	5 00
1400	Dec. 21...	Charles W. Starkey	Master, fore and aft, sailing.	Portland, N.B	St. John	5 00

LIST of Certificates of Competency granted to Masters and Mates of Inland and Coasting Vessels, for the Year ended 31st December, 1887.

COMPETENCY.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
239	Jan. 25...	Chas. C. Rhuland.	Master, fore and aft, coasting.	Lunenburg, N.S ...	Lunenburg	8 00
240	do 29...	Chas. E. Smith	do ...	do ...	do	8 00
241	Feb. 4...	Hedley Ryder	do ...	Lower Argyle, N.S.	Yarmouth.....	8 00
242	do 9...	Thomas A. Martin	Mate, steamer, inland.	Craigleith P. O., Ont.	Toronto	4 00
243	do 9...	James Wilson.	do ...	Collingwood, Ont.	do	4 00
244	do 9...	James S. McPherson.....	Master, steamer, minor inland.	Rama, Ont..	do	*
245	do 8...	William A. Glass.....	Master, fore and aft, inland.	Sarnia, Ont.....	do	*
246	do 10...	John Durney	Mate, steamer, inland.	Collingwood, Ont.	do	4 00
247	do 11...	Rory A. Finlayson	Mate, steamer, and fore and aft, sailing, inland.	Sarnia.....	do	4 00
248	do 14...	Michael Kennedy	Master, steamer, inland.	Kingston.	do	8 00
249	do 19...	Henry Pearce.....	Mate, steamer, inland; master steamer, minor inland.	Collingwood.....	do	4 00
250	do 24...	John McIntyre.....	Mate, steamer, inland.	Presque Isle, Ont..	do	*
251	March 2...	Wm Kennedy..	do ...	Toronto	do	4 00
252	do 2...	Janvier Blais.....	Master, square rig, coasting.	Berthier, en bas, Q.	Quebec.	8 00
253	do 2...	Samuel Hilton.....	Master, fore and aft, coasting.	Petite River, N.S..	Lunenburg	8 00
254	do 8...	James Black.....	Mate, steamer, inland.	Kileyth, Ont.....	Toronto	4 00
255	do 8...	Josiah Wolfe.....	Master, square rig, coasting.	West Dublin, N.S.	Lunenburg	8 00
256	do 10...	Joseph W. Silver	Master, fore and aft, coasting.	Upper La Have, N.S.	do	8 00
257	do 14...	Gabriel H. Conrad.....	do ...	Lunenburg, N S ...	do	8 00
258	May 4...	Franklin Jas. Smith.....	Mate, fore and aft, inland.	Cobourg, Ont.	St. Catharines.	*
259	Mar. 17...	Luke O'Reily	Master, fore and aft, and mate, steamer inland.	Garden Island, Ont	Kingston.....	8 00
260	do 17...	Jno. Geo. Barnes.....	Master, fore and aft, inland.	Owen Sound, Ont.	Toronto	8 00
261	do 19...	Jno. Jas. Shanklin	Master, steamer, minor inland.	Springfield. King's Co, N.B.	St. John.....	8 00
262	do 22...	Napoléon Cloutier	Master, steamer, minor inland.	Penetanguishene, Ont.	Toronto	8 00
263	do 22...	Wm. Fred. McGiffin.....	Master, fore and aft, inland.	Toronto, Ont.....	do	†

* Paid in 1886. † Paid in 1884.

LIST of Certificates of Competency granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
264	Mar. 30...	Paul Lachance.	Mate square rig; and steamer, coasting.	Quebec	Quebec.	4 00
265	April 2...	John McLean.	Master, fore and aft, inland.	Goderich, Ont.	Toronto	8 00
266	do 4...	Hy. Edwin Crow.	Master, steamer, minor inland	Chatham, Ont.	do	8 00
267	do 5...	William Shupe.	Master, fore and aft, coasting.	Lunenburg, N.S	Lunenburg.	8 00
268	do 5...	Bodford Tower.	do	Sackville, N.B.	St. John	8 00
269	do 6...	Jas. B. McCallum.	Master, steam tug, inland.	Welland, Ont.	St. Catharines	8 00
270	do 9...	Hy. Robert Brown	Master, steam tug, coasting	St. Martin's, N S.	St. John	8 00
271	do 12...	Robert Rankin	Master, fore and aft, inland.	Toronto	Toronto	8 00
272	do 12...	James M. Stitt	Master, steam tug, inland.	Cardinal, Ont	Ottawa	8 00
273	do 12...	Edward Armstrong	Master, steam tug, minor inland.	Port Colborne	St. Catharines	8 00
274	do 13...	John J. Fahey	Mate, fore and aft, inland.	St. Catharines	do	*
275	do 15...	Robert Thompson.	Master, fore and aft, inland.	do	do	8 00
276	do 19...	Jno. Jos. Gallagher.	Mate, square rig, inland.	do	do	4 00
277	do 26...	Jno. Peterson	Master, minor inland harbours of great lakes.	Port Colborne, Ont	do	8 00
278	do 29...	Michael Wm. Thorne	Mate, minor, inland.	Portland, N.B	St. John	4 00
279	do 30...	Hans Guttormsen	Master, square rig, coasting.	Victoria	Victoria	8 00
280	do 30...	Joseph Ache	Master, fore and aft, inland.	Garden Island, Ont	Kingston	8 00
281	May 4...	Edwin Smades	Master, steamer, Inland.	Ogdensburg, N.Y.	Ottawa	8 00
282	do 4...	Raphael Reneaud	Mate, steamer, inland.	St. Louis de Gonzague, Que.	do	4 00
283	do 5...	Jno. J. Moffatt	Master, steamer, minor inland.	North Sydney	Sydney, C.B.	8 00
284	do 5...	Andrew Welsh	Mate, fore and aft, inland.	St. Catharines	St. Catharines	4 00
285	do 12...	Wm. Welsh	Master, fore and aft, inland.	do	do	8 00
286	do 20...	Thos. C. Worden	Master, steamer, minor inland	Johnston, Queen's Co., N.B.	St. John	8 00
287	do 25...	Calvin Hicks.	Mate, fore and aft, and Master, steamer, inland.	Toronto	St. Catharines	8 00
288	do 25...	Alexander Martin.	Master, steamer, and Mate, square rig, inland.	do	do	8 00
289	do 22...	Jas. K. Harbottle.	Master, steamer, inland.	do	do	8 00

* Paid in 1886.

LIST of Certificates of Competency granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
290	May 27...	Samuel McCaig.....	Mate, fore and aft, inland; Master, steamer, Toronto Bay.	Toronto	St. Catherines	*
291	June 6...	James McSherry.....	Master, steamer, and Mate, fore and aft, inland.	do	do ...	8 00
292	do 6...	William E. Murphy.....	Master, steamer, inland.	do	do ...	8 00
293	do 7...	Patrick J. McSherry.....	Master, steamer, and Mate, fore and aft, inland.	do	do ...	8 00
294	do 8...	James D. Sanderson.....	Master, steamer, inland.	do	do ...	8 00
295	do 8...	Andrew J. Tynon.....	do do ...	do	do ...	8 00
296	do 8...	Jno. Jas. Quinn.....	do do ...	do	do ...	8 00
297	do 10...	D. D. L. Whittaker.....	Master, fore and aft, coasting	St. John, N.B	St. John	8 00
298	do 11...	Andrew Norwood.....	Master, steamer, minor inland.	Gagetown, N.B.....	do	8 00
299	do 16...	William Alguire.....	Master, tug, minor inland, St Lawrence and Ottawa.	Dickinson's Landing.	Ottawa..... ...	8 00
300	July 2...	Hugh McIntyre.....	Mate, steamer, inland.	Toronto	St. Catharines	4 00
301	do 27...	Isaac M. Gerow..	Master, steam tug, between Burks' Falls and Ahmic Harbour.	Burks' Falls, Ont..	Toronto	8 00
302	do 25...	Robert Maines.....	Master, steamer, inland.	Victoria, Ont.....	St. Catharines	8 00
303	do 29...	James A. King	Master, steam ferry, Niagara River.	St. Catharines.. ...	do ...	8 00
304	Aug. 5...	Frederick J. Snider.....	Master, steamer, inland, limited to St. Mary's River	Bruce Mines, Ont..	do ...	8 00
305	do 6...	Joseph Deacon	Master, tug, minor inland, Welland Canal.	Port Colborne, Ont.	do ...	8 00
306	do 25...	Jno. McCabe.....	Master, square rig, coasting.	South Bars, C.B., N.S	Sydney.....	8 00
307	do 6...	Hugh Barrett.....	Mate, ferry steamer, Niagara River	International Bridge, Ont.	St. Catharines	4 00
308	do 8...	Albert Patterson.....	Mate, fore and aft..	St. Catharines, Ont.	do ...	4 00
309	do 8...	Samuel S. Elliot	Master, steamer, coasting.	Portland, N B.....	St. John	8 00
310	Aug. 8...	Duncan B. Christie	Master, steamer, inland.	Picton, Ont.	Kingston.....	*
311	Sept. 5...	James Wm. Fardie	Master, fore and aft, coasting.	St. John.....	St. John	8 00
312	do 5...	James Peter Bendrodt....	Master, steamer, coasting.	Victoria, B.C.....	Victoria	8 00

* Paid in 1886.

LIST of Certificates of Competency granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
313	Sep. 22...	Samuel J. McCoppen.....	Master, tug, minor inland. Limited to Welland Canal and harbour of Port Dalhousie, Ont.	Port Colborne, Ont	St. Catharines	8 00
314	Oct. 10...	Henry Arthur Hamilton .	Master, square rig, coasting.	St. John, N.B.....	St. John.....	8 00
315	do 10...	Narcisse C. Dufresne	Master, steamer, inland.	Deschambault, P.Q	Quebec.....	8 00
316	do 10...	Théophile Jean.....	Master, steamer, minor inland.	Point Lévis, Que...	do	8 00
317	Nov. 9...	Côme Langlois	do do ...	Grosse Isle, P.Q....	do	8 00
318	do 9...	James Bryne	Master, square rig, coasting	Sydney, C.B.....	Sydney.....	8 00
319	do 21...	Enos Huntly.....	Master, fore and aft, coasting.	St. John, N.B.....	St. John.....	8 00
320	Dec. 7...	James Lewis.....	Master, square rig, coasting	Sydney, C.B.....	Sydney.....	8 00
321	do 15...	Alex. H. Malcolmson	Master, steamer, inland.	Hamilton, Ont	Toronto..... ...	8 00
322	do 21...	John Ryan	Mate do ...	Toronto, Ont.	St. Catharines	4 00
323	do 31...	Christopher S. Steves....	Master, fore and aft, coasting.	Hillsboro', N.B.....	St. John.....	8 00
324	do 31...	Reed Longmire	do do ...	Annapolis, N.S.....	do	8 00
						564 00

COMPETENCY—SEA-GOING.

LIST of Certificates of Competency granted to Masters and Mates.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2389	Jan. 29...	Israel M. Nickerson	Mate	Sand Beach, N.S.	Yarmouth	5 00
2390	do 29...	Nehemiah Wilson	do	Barrington, N.S.	do	5 00
2391	do 29...	Levi Putnam	Master	Maitland, N.S.	Halifax	10 00
2392	do 29...	Everett McDougall	do	South Maitland, N.S.	do	10 00
2393	do 29...	Charles McDonald	Mate	Mainadieu, Cape Breton, N.S.	do	†
2394	Feb. 4...	Nelson A. Withers	Second Mate	St. John, N.B.	St. John	5 00
2395	do 4...	Ingram Troop	Master	Moncton, N.B.	do	†
2396	do 19...	Harris C. Pickels	Mate	Mahone Bay, N.S.	Halifax	5 00
2397	do 19...	Richard Lee	Master	Harbourville, N.S.	do	10 00
2398	do 19...	William S. Hayes	do	Maitland, N.S	do	10 00
2399	do 19...	Herbert McDougall	do	South Maitland, N.S.	do	10 00
2400	do 24...	Francis Stewart	do	Liverpool, G.B.	St. John	10 00
2401	do 24...	William McBride	Mate	Harbourville, N.S	do	5 00
2402	do 19...	Peter LeBlanc	do	Arichat, N.S	Halifax	5 00
2403	Mar. 2...	Henry P. Dennis	do	Rockville, Yarmouth, N.S.	Yarmouth	5 00
2404	do 2...	Alfred H. Durkee	Master	Carleton, Yarmouth, N.S.	do	10 00
2405	do 10...	Zephirin Lemieux	do	St. Vallier, Que.	Quebec	10 00
2406	do 10...	Joseph Thos. Chalifour	do	L'Islet, Que	do	10 00
2407	do 23...	David Foote	Mate	Pictou, N.S.	Halifax	5 00
2408	do 23...	Jno. Wm. McKenzie	do	do	do	5 00
2409	do 23...	Henry P. Weaver	do	Middleton, N.S.	do	5 00
2410	do 23...	Jno. Thos. Rice	do	Pictou, N.S.	do	5 00
2411	Mar. 23...	James Edward King	Master	Windsor, N.S.	Halifax	10 00
2412	do 23...	James Betts	do	New Glasgow, N.S.	do	10 00
2413	do 23...	Edwin Kennedy	do	Souris, P.E.I.	do	10 00
2414	do 23...	Wm. Peoples Harvie	do	Avondale, N.S.	do	†
2415	do 28...	Robt. C. Wells	Mate	Sackville, N.B.	St. John	†
2416	April 4...	Zebina Durkee	do	Hartford, N.S.	Yarmouth	†

† Paid before.

LIST of Certificates of Competency granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2417	April 4...	Alfred W. Warner	Master	Plympton, N.S.	Yarmouth	10 00
2418	do 19...	Joseph Pouliot	do	St. Jean, Isle d'Orleans, P.Q.	Quebec	10 00
2419	do 19...	Paul Lachance	2nd Mate	do	do	5 00
2420	do 22...	Bradford W. Morris	Master	Advocate Harbor, N.S.	St. John	10 00
2421	do 22...	Wm. Lewis Smith	Mate	St. Martins, N.B.	do	5 00
2422	do 22...	Jas. Samuel Osborn	do	St. John, N.B.	do	*
2423	May 7...	David R. Williams	Master	Gaspereaux, N.S.	Yarmouth	10 00
2424	do 7...	Almond W Wyman	Mate	Yarmouth, N.S.	do	5 00
2425	do 7...	George Ed. Purdy	do	Bear River, Digby Co., N.S.	do	5 00
2426	April 22...	Jno. E. Curtis	2nd Mate	Damariscotta, U.S.	St. John	5 00
2427	May 16...	George Strupart	Mate	Halifax, N.S.	Halifax	*
2428	do 16...	Gordon Beattie	do	Economy, N.S.	do	5 00
2429	do 16...	Thomas Bollong	Master	Halifax, N.S.	do	10 00
2430	do 18...	James N. Knox	do	St. John, N.B.	St John	10 00
2431	do 18...	Henry Mowatt	do	St. Andrews, N.B.	do	10 00
2432	do 18...	Patrick Edwd. McMurray	2nd Mate	St. John, N.B.	do	5 00
2433	do 18...	Jno. Joseph Campbell	do	do	do	5 00
2434	June 20...	Jno. J. Wren	Master	St. Andrews, N.B.	St. John	10 00
2435	do 20...	Jesse Ed. Anderson	Mate	Sackville, N.B.	do	5 00
2436	do 20...	Stuart G. Fulton	do	Londonderry, N.S.	do	5 00
2437	do 20...	Joseph J. Donovan	Master	St. John, N.B.	do	10 00
2438	do 20...	Bernard Carland	do	Tynmouth Creek, N.B.	do	10 00
2439	do 20...	Jno. Slattery	do	Dungarven, Ireland	do	10 00
2440	do 20...	Ralph H. Goudey	Mate	Yarmouth, N.S.	Yarmouth	5 00
2441	do 18...	Charles J. Moses	do	do	do	5 00
2442	do 20...	J. E. T. How	do	Shelburne, N.S.	do	5 00
2443	do 20...	Chas. Edgar Ross	do	Yarmouth, N.S.	do	5 00
2444	do 18...	John Wm. Carey	Master	Parrsboro', N.S.	do	10 00

* Paid in 1886

LIST of Certificates of Competency granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2445	June 20...	Samuel S. Patterson.....	Master	Port La Tour, N.S.	Yarmouth.....	10 00
2446	do 18...	Wentworth E. Baker.....	do	Yarmouth, N.S....	do	*
2447	do 22...	George Urquhart.....	do	Folly Village, N.S.	Halifax.....	10 00
2448	do 22...	Richard J. Warner.....	Mate.....	Plympton, N.S.....	do	5 00
2449	do 22...	Caleb McDougall.....	do	Maitland, N.S.....	do	*
2450	do 22...	Welton Davison.....	do	Hantsport, N.S.....	do	*
2451	do 22...	James Lombard.....	2nd Mate.....	Medford, N.S.....	do	*
2452	Aug. 1...	Brian Carroll.....	Mate.....	Pictou, N.S.....	do	5 00
2453	do 1...	James B. Hill.....	Master	Londonderry, N.S.	do	10 00
2454	do 1...	James D. McKenzie.....	do	Pictou, N.S.....	do	10 00
2455	do 1...	Daniel A. McLeod.....	Mate.....	Point Prim, P.E.I.	do	5 00
2456	do 1...	George W. McBurnie.....	do	Newport, N.S.....	do	5 00
2457	Aug. 9...	Alfred Manley	Mate.....	St. John, N.B.....	St. John	*
2458	do 13...	James F. Munro.....	Master	Portland, N.B.....	do	*
2459	do 13...	John S. Harris	Mate.....	Bear River, N.S....	do	*
2460	do 15...	Robert Fraser.....	do	Pictou, N.S.....	Halifax	5 00
2461	do 15...	Edmund E. Manning.....	do	Bridgewater, N.S..	Yarmouth	*
2462	do 15...	Silas M. Masters	do	Newport, N.S.....	Halifax.....	5 00
2463	do 15...	Douglas A Melvin	do	Halifax, N.S.....	do	5 00
2464	do 15...	Hector Campbell.....	2nd Mate.....	Cape Traverse, P.E.I.	do	5 00
2465	do 15...	George C. McLaughlin...	Master	Annapolis, N.S.....	Yarmouth	10 00
2466	do 15...	Charles Fredk. Leary.....	do	Sandy Cove, Digby Co., N.S.	do	10 00
2467	do 22...	Ehrett H. Crowe.....	Mate.....	Londonderry, N S.	St. John	5 00
2468	do 22...	Frank C. Bogart.....	do	Lower Granville, N.S.	do	5 00
2469	do 22...	Budd DeM. Melvin.....	do	St. John, N.B.	do	5 00
2470	do 22...	Henry Crocker	do	Sackville, N.B.	do	5 00
2471	do 22...	William I. Tait.....	do	St. John, N.B.	do	5 00
2472	do 22...	William H. Norcott.....	do	Halifax, N.S	Halifax.....	*

* Paid in 1886.

LIST of Certificates of Competency granted to Masters and Mates—*Continued.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2473	Sept. 22...	George M. Reid	Master	Harvey, N.B	St. John	10 00
2474	do 26...	Thomas Henry Helms	do	Cheboque, N.S	Yarmouth	10 00
2475	do 26...	Walter L. McLean	Mate	St. John, N.B.	do	5 00
2476	do 26...	James Ed. Morris	Master	Harborville, N.S	do	10 00
2477	do 26...	Lindsay R. Perry	Mate	Yarmouth, N.S.	do	*
2478	do 26...	Charles H. S. Saunders	do	Sandy Cove, N,S.	do	5 00
2479	Sept, 28...	Blanchard Gardner	Master	Liverpool, N.S	St. John, N.B.	10 00
2480	do 28...	Bliss B. Anderson	Master	Shemogue, N.B	St. John	10 00
2481	Oct. 3...	Alex. D. Faulkner	do	Londonderry, N.S.	Halifax	10 00
2482	do 3...	William Salisbury	Mate	River John, N.S.	do	5 00
2483	do 3...	John A. Liswell	do	Burlington, N.S.	do	5 00
2484	do 4...	Judson W. Wyman	do	Yarmouth, N.S.	Yarmouth	*
2485	do 4...	Howard A. Murphy	Master	do	do	10 00
2486	do 11...	Marshall Terfry	do	Hantsport, N S	Halifax	10 00
2487	do 11...	Benjamin Terfry	Mate	do	do	5 00
2488	do 11...	Charles McDonald	2nd Mate	Georgetown, P.E.I	do	5 00
2489	do 24...	Dudley L. D. Wilbur	Mate	Dorchester, N.B.	St. John	5 00
2490	do 24...	George W. Grant	Master	Weymouth, N.S.	do	10 00
2491	do 31...	Percy E. Crosby	do	Beaver River, Yarmouth, N.S.	Yarmouth	*
2492	do 31...	Samuel Purdy	Mate	Yarmouth, N.S	do	*
2493	do 31...	Robert Patten	Master	Hartford, Yarmouth, N.S.	do	10 00
2494	Nov. 15...	Thomas D. Mosher	do	Avondale, N.S	Halifax	10 00
2495	do 15...	Emerson Graves	do	Aylsford, N.S.	do	10 00
2496	do 15...	James McNeil	Mate	Little Glace Bay, C.B.	do	5 00
2497	do 15...	Mayor G. Mosher	do	Newport, N.S.	do	5 00
2498	do 21...	George L. Welch	Master	St. John, N.B.	St. John	10 00
2499	do 21...	Everett E. Thompson	Mate	Economy, N.S	do	5 00
2500	do 29...	Harry H. Cook	Master	Chabogue, N.S.	Yarmouth	10 00

* Paid in 1886.

LIST of Certificates of Competency granted to Masters and Mates—*Concluded.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
2501	Nov. 29...	Andrew J. Simms.....	Master	Plymouth, N.S.....	Yarmouth	10 00
2502	do 29...	Burwell C. Goudey.....	do	Yarmouth, N.S....	do	10 00
2503	Dec. 10...	Albert Mailman.....	Mate	Annapolis, N.S.....	Halifax.	5 00
2504	do 10...	George Waters	do	Pictou, N.S...	do	5 00
2505	do 10...	Fred. A. Smith	do	Windsor, N.S.	do	5 00
2506	do 10...	Melvin O'Brien.	Master	Noel, N.S.	do	10 00
2507	do 10...	Frank E. Dodge	do	Mount Denson, N.S	do	10 00
2508	do 10...	Howard Densmore	2nd Mate	Noel, N,S.	do	*
2509	do 10...	Mayor Hy. Greene.	Mate	Windsor, N.S.....	do	*
2510	do 10...	Frederick Nelson	do	Crapaud, P.E.I.....	do	5 00
2511	do 14...	Charles D. Bowers.....	2nd Mate.....	Bridgewater, N.S..	St John	5 00
2512	do 14...	Joseph W. Morris.....	Master	Spencer's Island, N.S.	do	10 00
2513	do 14...	Oscar B. Morris.....	do	Advocate Harbour, N S.	do	10 00
2514	do 14...	Fred. H. Griffith...	do	St. Martin's, N.B..	do	10 00
2515	do 20...	Wallace P. Jeffery.....	do	Sand Beach, N.S...	Yarmouth	10 00
2516	do 20...	Frank B. Baker.....	2nd Mate	do ...	do	5 00
						790 00

* Paid in 1886.

ENGINEERS.

LIST of Certificates of Competency granted to Engineers.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
1	April 7...	George C. L. Miller	4th Class	St. Catharines, Ont	Toronto	5 00
2	do 7...	Jos. J. Ramsey	4th do	do	do	5 00
3	do 7...	Donald Kelly	4th do	Collingwood, Ont.	do	5 00
4	do 7...	William Wood	4th do	Hamilton, Ont	do	5 00
5	do 7...	Ed. Wm. McKean	2nd do	do	do	5 00
6	do 7...	Charles Johnston	3rd do	Chatham, N.B	Chatham	5 00
7	do 7...	Frank De Wolf Cahan	2nd do	Yarmouth, N.S.	Halifax	5 00
8	do 7...	Henry C. Creighton	2nd do	Chatham, N.B	do	5 00
9	do 7...	James Stewart	2nd do	Portsmouth, Ont...	Kingston	5 00
10	do 7...	John C. Sims	2nd do	Halifax, N.S	Halifax	5 00
11	do 7...	Dennis J. Murray	2nd do	do	do	5 00
12	do 7...	Lewis A. Legendre	4th do	Ste. Croix, P.Q.	Quebec	5 00
13	do 7...	William N. Lewis	2nd do	Midland, Ont.	Toronto	5 00
14	do 7...	Franklin Greig	3rd do	Halifax, N.S	Halifax	5 00
15	do 7...	Fred'k M. Baillie	3rd do	Gravenhurst, Ont.	Toronto	5 00
16	do 7...	Jos. F. Taylor	3rd do	Windsor, Ont.	do	5 00
17	do 7...	Jas. Payne	3rd do	Collingwood, Ont.	do	5 00
18	do 12...	Wm. E. Simpson	4th do	do	do	5 00
19	do 12...	Finley Wilson	4th do	Picton, Ont.	do	5 00
20	do 12...	David L. Johnston	4th do	Chatham, Ont.	do	5 00
21	do 12...	Thomas Duncan	4th do	Peterboro', Ont.	do	5 00
22	do 12...	Wm. Beck	4th do	Collingwood, Ont.	do	5 00
23	do 12...	Nathaniel Cartmill	4th Class	Kingston, Ont.	Kingston	5 00
24	do 12...	Henry Brownley	4th do	do	do	5 00
25	do 12...	Jas. O. Hickley	4th do	Garden Island, Ont.	do	5 00
26	do 12...	James McCarron	4th do	Charlottetown, P.E.I.	Charlottetown	5 00
27	do 12...	Jas. H. Hayter	4th do	St. John, N.B.	St. John	5 00
28	do 12...	Edouard Fontaine	4th do	St. Aquapit, P.Q.	Quebec	5 00
29	do 16...	Edmond Moore	3rd do	Sorel, P.Q	Montreal	5 00

LIST of Certificates of Competency granted to Engineers.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
30	April 16...	Lucien Marchand.....	3rd Class.....	Montreal.....	Montreal.....	5 00
31	do 16...	Wm. Devon.....	2nd do	Halifax, N.S.....	Halifax.	5 00
32	do 16...	Jean B. Lacroix.....	2nd do	Bienville Village, P.Q.	Quebec.	5 00
33	do 16...	Ambrose Carney.....	4th do	Windsor, Ont.....	Windsor	5 00
34	do 16...	David Foley	4th do	Toronto	Toronto	5 00
35	do 16...	James Hopkins.....	4th do	do	do	5 00
36	do 16...	Siméon Thériault.....	4th do	Lévis, P.Q.....	Quebec	5 00
37	do 16...	Henry J. Siteman.....	4th do	Dartmouth, N.S....	Halifax.....	5 00
38	May 7...	John Doran.....	1st do	Toronto	Toronto	5 00
39	do 7...	Richard Childs.....	3rd do	do	do	5 00
40	do 7...	James T. Steele.....	4th do	Owen Sound, Ont.	Owen Sound...	5 00
41	do 7...	John G. Barrington.....	3rd do	North Sydney, C.B.	Pictou.....	5 00
42	do 7...	Fred. H. Hand.....	4th do	Point St. Charles, P.Q.	Montreal.....	5 00
43	do 7...	Louis Charland.....	4th do	Montreal.....	do	5 00
44	July 14...	Thos. J. Blain.....	4th do	Owen Sound, Ont.	Toronto	5 00
45	do 14...	William G. Reggs.....	4th do	Toronto, Ont.	do	5 00
46	do 14...	Alex. George Andrew....	3rd do	Owen Sound.....	do	5 00
47	do 20...	John M. Donaldson.....	4th do	Toronto	do	5 00
49	do 20...	Frank McDonald.....	4th do	Windsor, Ont.....	Windsor.	5 00
50	do 20...	Michael Rourke.....	4th do	Walkerville, Ont..	do	5 00
51	do 20...	Frank Mehaffey.....	4th do	Port Colborne, Ont.	St, Catharines	5 00
52	do 20...	Robert Saxly.....	4th do	Toronto, Ont.	Toronto	5 00
53	Nov. 12...	James Montgomery.....	3rd do	New Westminster, B.C.	Victoria	5 00
54	do 12...	Edmund C. Shepherd....	3rd do	Rock Bay, Victoria, B.C.	do	5 00
55	do 12...	Wm. W. McGuire.....	3rd do	Chatham, N.B.....	Halifax.	5 00
56	do 12...	John R. Woolover.....	3rd do	Hantsport, N.S.....	do	5 00
57	do 12...	John A. Rowe.....	3rd do	Charlottetown, P.E.I.	do	5 00
58	do 12...	James W. Meldram.....	4th do	Victoria, B C.....	Victoria	5 00
59	do 12...	Judson A. Pentz.....	4th do	Hantsport, N.S....	Halifax.....	5 00

LIST of Certificates of Competency granted to Engineers—*Concluded.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					$ cts.
60	Nov. 12...	Patrick Curr.....	4th Class.	Port Dalhousie, Ont.	Toronto	5 00
61	do 12...	Alexander Campbell.....	4th do	Pictou, N.S.	Halifax.....	5 00
62	do 11...	William J. Cullum.....	2nd do valid in Great Britain and possessions.	Victoria, B.C.....	Victoria.....	5 00
63	do 11 ..	John Cooke.....	1st class, valid in Great Britain and possessions.	Pictou, N.S.	Montreal.....	5 00
						310 00

APPENDIX No. 26.

REPORT OF THE PORT WARDEN FOR THE PORT OF MONTREAL FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

OFFICE BOARD OF TRADE,
MONTREAL, 6th, January 1887.

SIR,—I have the honour, by direction of the Council of this Board and in compliance with section 31 of the Act governing the Post Warden Office, 45 Vic., Chap. 45, to transmit herewith documents, as follows :—

1. The Port Warden's Report for the year 1887.
2. Audited statement of receipts and expenditures of the Port Warden Office for the year ended 31st December, 1887.
3. Statement of investments of the Port Warden Surplus Fund.

I have the honour to be, Sir,

Your obedient servant,

GEO. HADRILL,

Secretary.

Hon. GEO. E. FOSTER,
Minister of Marine and Fisheries,
Ottawa.

OFFICE OF THE PORT WARDEN,
MONTREAL, 31st December, 1887.

GENTLEMEN,—I have the honour to submit the annual report of the business of this office, with statements of receipts and expenditure for the past year.

Navigation opened on the 1st May with the arrival from winter quarters of a number of small crafts, and on the 3rd May the steamship "Oregon," Capt. Williams, of the Dominion Steamship Line, arrived from sea; other vessels rapidly followed, and on the 25th May the first sailing vessel, the barque "Lady Dufferin," laden with sugar, arrived from Halifax, where she had wintered, the season being too far advanced for her to come up the River St. Lawrence last year.

The steamship "Concordia," Capt. McLean, was the first vessel to arrive by way of the Straits of Belle Isle, having passed through them on the 12th June, and reported the usual amount of ice. There have been no casualties reported to any of our fleet on the Straits this season. The steamship "Katie" sailed on the 25th November, and the barque "Marcello de Marie" on the 28th, being the last sea-going vessels to leave port; the latter vessel, however, winters at Quebec.

There have been 356 vessels, aggregating 601,692 tons, entered at this office this season, viz.: 296 steamships, 561,120 tons, and 60 sailing vessels, 40,842 tons, being eight vessels less than in 1886, but an increase of 9,557 in tonnage.

It is satisfactory to state that no vessels have been reported missing or lost in this trade this season.

The shipment of grain has decreased 2,766,328 bushels from that of 1886, the quantity being 11,470,649 bushels this season, against 14,236,977 bushels last year. Other articles of export—phosphates, minerals, butter, cheese, &c.—have increased

considerably in quantity, especially lumber, there being 4,008,014 over the shipment of 1886, Deals have decreased 3,709 standards.

Shippers taking advantage of the large number of steamships carrying general cargoes, have, by shipping their goods in smaller quantities at a time, increased very considerably the work of the office in collecting its revenues. This and the extension of the wharfage accommodation down the river, with the increased size of the vessels, and the rapidity with which their cargoes are discharged and loaded, has kept all the members of the staff of this office—by whom I have been ably supported in the work—busy during the season.

I beg to draw your earnest attention to the necessity of having a graving dock built here. Each season vessels arrive in port damaged by various causes, surveys are held, and in some cases permission is granted to load cargo for Great Britain, to be docked and repaired on arrival there; others are ordered to be docked at Quebec, involving considerable risk and loss of time in going to and returning from that port, besides demurrage, waiting tides, &c., all of which would be avoided had we a proper dock into which deep draught vessels could be taken at any hour regardless of tides, and a large amount of money for the purchase of materials and making repairs would be expended in the city. Taking into consideration that the number of steamships trading to this port has increased from 106 of 87,719 tons in 1866, to 247 of 261,764 tons in 1877, to 600 of 801,471 tons, beside 55,108 of other sea-going vessels this year, and still expanding rapidly, as the import of coal alone was 378,675 tons against 289,823 tons in 1886, an increase of 88,852 tons this season, it is hardly creditable that such an amount of shipping should be without the facilities for making repairs when required. The wharf frontage for large steamers carrying general cargoes is also inadequate to the continually increasing growth of this, the principal port of the Dominion and on which the prosperity of the country so largely depends.

The new system of keeping the records of the office, inaugurated by the advice of the Board of Examiners at the commencement of the season, has worked very satisfactorily.

I cannot close this report without paying a tribute of deep respect to the memory of the late Port Warden, Capt. D. Ross Kerr, who performed his official duties faithfully and well for the long period of 13 years. His unvarying kindness, integrity and courtesy towards the members of his staff, and all who did business with the office, will long be remembered in this port.

I am, gentlemen,

Yours respectfully,

JAS. G. SHAW.

Port Warden.

To the President and Council of the Board of Trade, Montreal.

PORT WARDEN'S OFFICE.

DR. STATEMENT of Receipts and Expenditure for year ending 31st Dec., 1887. CR.

RECEIPTS.	$ cts.	EXPENDITURE.	$ cts.
To Receipts derived as under—		By Paid salaries—	
7,797,043 bushels wheat		D. R Kerr, late Port Warden, 4 mos.	666 64
1,995,302 do pease		Jas. G Shaw, Deputy Port Warden, 4 mos. at $125	500 00
1,169,158 do corn		Jas. G Shaw, Port Warden, 8 mos at $166.66	1,333 28
393,439 do oats		G. W. Morrison, Deputy Port Warden, 4 mos. at $108.33	433 32
115,707 do barley		G. W. Morrison, Deputy Port Warden, 8 mos. at $125	1,000 00
546,664 barrels flour and meal	409 87	G. W. Morrison, Deputy Port Warden, 2 qrs. at $50 in lieu of Superannuation	100 00
2,849 do ashes	56 98	W. J. Anderson, book-keeper	1,000 00
91,791 do apples	229 51	F. E. McMann, clerk	280 00
64,535 oxen and horses	968 44	J. E. Cumming, boy	56 00
35,509 sheep and pigs	88 82	Board of Trade, secretarial expenses	1,000 00
41,767 St. Pet'g standard deals	835 34	Port Warden's Superannuation allowance—	
32,920,390 feet sawn lumber	164 61	Late D. R. Kerr, Port Warden.	200 00
70,091 tons sundries at 6c	4,205 46	Jas. G. Shaw do	300 00
901½ do do 2c	18 03	Treasurer Board of Trade, for investment	2,000 00
20,597 do phosphates	205 97	Rent, taxes, fuel, light, insurance, &c	373 01
1,558 do minerals	31 16	Repairs and office furniture	89 10
3,669 do oil cake	110 07	Maritime Register and Lloyd's Registers, &c	97 99
1,072 do hay	21 44	Rent of drawer in Montreal City and District Savings Bank	10 00
Damaged cargo certificates	279 50	Books, printing and stationery	122 45
Special surveys	635 50	Cab hire	116 35
Port Warden's fees—Inwards	222 50	Miscellaneous expenses	32 76
do Outwards	1,948 25	Special survey fees on S.S. "Oxenholme"	30 00
Half special survey fees on S.S. "Oxenholme" refunded	15 00	Alf. W. Hadrill, Auditor	40 00
Interest on deposit in Montreal City and District Savings Bank	82 02	Balance	747 57
	10,528 47		10,528 47
To Balance, 1st January, 1888	747 57		

E. & O. E.

JAS. G. SHAW,
Port Warden.

Audited and found correct,

ALF. W. HADRILL,
Auditor.

MONTREAL, 3rd January, 1887.

STATEMENT of the Investments of the Surplus Funds of the Port Warden Office, at Montreal, and of Interest accruing therefrom during the Year ended 31st December, 1887.

Date.									Interest.
									$ cts.
May 4, '70	Expended	$2,014 78	in purchase of	Protestant School Commissioners' Bonds, Nos. 00001 and 00002, $1,000 each	$ 2,000	at 6 p.c	for 12 mos		120 00
Apr. 21, '71	do	3,135 84	do	City of Montreal Corporation Bonds, No. 18, £500; No. 62, £250=£750...	3,000	6	do	...	180 00
Jan. 12, '77	do	2,044 00	do	Nos. 00423, 00424, 00425, 00426, 4 at $500...	2,000	6	do	...	120 00
Feb. 16, '80	do	2,380 34	do	Dominion Government Stock	2,300	4	do	...	92 00
Aug. 16, '80	do	7,254 11	do	City of Montreal Registered Stock	7,000	5	do	...	350 00
Apr. 18, '84	do	5,031 34	do	City of Montreal 4 p.c. Registered Stock, Nos. 1720, 1721, 1722, 1723, 1724, 5 at $1,000	5,000	4	do	...	200 00
July 9, '84	do	4,260 00	do	Bell Telephone Company Bonds, Nos. 54, 55, 56, 57, 58, at $1,000; No. 218, 1 at $500	4,500	6	do	...	270 00
Nov. 10, '85	do	472 50	do	No. 232, 1 at $500	500	6	do	...	30 00
Mar. 14, '87	do	10,320 75	do	City of Montreal Consolidated Fund Stock, Class C, 100 shares of $100 each	10,000	4	do	...	400 00
				Total of Surplus Fund	$36,300 interest, year '87				$1,762 00

STATEMENT OF PORT WARDEN SUPERANNUATION FUND.

Dr. Date		$ cts	Cr. Date		$ cts.
Dec. 31, '86	To Balance in City and District Savings Bank	3,694 56	May 30, '87	By Cash paid to Executors of Capt. D. Ross Kerr, the late Port Warden	4,588 58
May 30, '87	Interest balance, $3,694.56, to date	45 48			
do 30, '87	Annual contribution from Port Warden Office	200 00			
do 30, '87	Cash from current account in Union Bank to supply deficit in guaranteed amount of this fund occasioned by decreased rate of interest	648 54			
		$4,588 58			$4,588 58

ROBERT ARCHER, *Treasurer.*
GEORGE HADRILL, *Secretary.*

MONTREAL, 6th January, 1888.

APPENDIX No. 27.

REPORT OF THE PORT WARDEN FOR THE PORT OF QUEBEC FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

PORT WARDEN'S OFFICE,
No. 47 DALHOUSIE STREET,
QUEBEC, 31st December, 1887.

SIR,—I have the honour to submit this my annual report of the affairs of this office during the year ending the 31st December, 1887.

The following enumerated class of vessels, viz., steamers and sailing vessels, have been examined and surveyed in this Harbour and in the Port of Quebec, and in compliance with the Acts relating to Port Wardens of Montreal and Quebec, established in 1871 and further amended in 1873:—

Four steamships inwards, with general cargoes, have been surveyed in compliance as prescribed in the eighth section of the said Act.

In compliance with the further amendment of the said Act (assented to the 3rd of May, 1873) ninety-six steamships have cleared outwards, with cargoes for Great Britain and Europe, and have been surveyed and cleared, as per certificates filed in the Custom House of Quebec.

No sailing vessels with cargoes cleared outwards to report, their cargoes not coming under the stipulations of the Act.

In compliance with the 16th and 18th sections of the Act, seventeen different lots of merchandise (damaged) have been surveyed, condemned and sold, for and on account of whom they may concern.

In compliance with the 13th section of the Act, eleven vessels, &c., have been valued for general average.

Vessels wrecked.—Two have been condemned and sold in compliance with the 16th section of the Act.

In compliance with the 21st section of the Act, ten copies of said Acts and by-laws have been issued.

In compliance with the 10th section of the Act, twenty-two steam vessels have been repaired. Of this number seven have been permanently, and fifteen temporarily.

Fifteen sailing vessels have been surveyed. Of this number two were condemned and sold as wrecks.

Fifteen copies of reports have been issued, as per section 26 of the rules.

Amount of fees received for the current year:—

Total amount received	$1,796 95
To experts and office expenses	426 00
Balance	$1,370 95

E. & O. E.

Examined and found correct,
WILLIAM BUDDEN,
Accountant.

JOHN DICK,
Port Warden.

W. H. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

APPENDIX No. 28.

REPORT OF THE PORT WARDEN FOR THE PORT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

PORT WARDEN'S OFFICE,
HALIFAX, N.S., 31st December, 1887.

SIR,—I have the honour to submit my report of the affairs of this office, accompanied by a statement of the receipts and expenditure for the past year.

Surveys have been held by me on thirteen steamers and thirty-four sailing vessels, which arrived in a damaged condition during the year.

The ship "Marianne Nottebohm," of New York, put into this port in a leaky condition on 25th August, while on a voyage from Philadelphia bound to Amsterdam with a cargo of petroleum. At the request of the United States Consul General I held survey upon her and recommended that a portion of her cargo be landed to lighten the vessel to permit of further examination. The owner subsequently sent an agent from New York who took the matter of repairing the vessel into his own hands. When the vessel was ready for sea, I, at his request, gave a certificate of the repairs made to her, but declined to give a certificate of seaworthiness, not considering the repairs sufficient. She sailed for Amsterdam on the 26th September and subsequently put into Fayal, leaking badly.

The steamship "Scotia," of London, G. B., Winter, master, on a voyage from New York bound to Dunkirk with a cargo of crude petroleum, put into this port on the 27th of October with her pumps choked and leaking at the upper works. The owners instructed the master, by cable, to make temporary repairs sufficient to put the vessel in a seaworthy condition to continue her voyage. The tweendeck cargo was landed and the hull received temporary repairs. The bilge pumps were also put in good order. A certificate of seaworthiness was then given to the vessel to proceed without her tweendeck cargo to her destination, and she sailed for Dunkirk on the 2nd instant. On the 6th December she returned to this port with her machinery out of order. The engines have been thoroughly overhauled by competent machinists and some slight defects made good. The engines have been tried and found to work satisfactorily. The vessel is now ready for sea. The tweendeck cargo is being forwarded to its destination by Furness Line steamers.

The grain shipped during the year consisted of 189,731 bushels of wheat and 195,816 bushels of peas.

I have the honour to be, Sir,
Your obedient servant,
DAVID HUNTER,
Port Warden.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

RECEIPTS and Expenditure of the Port Warden, Halifax, N.S., from 1st January to 31st December, 1887.

DR.	$ cts.	CR.	$ cts.
To amount of fees received.....	2,493 65	By Paid assistants, office expenses, &c.	965 97
		Amount reverting to Port Warden.	1,527 68
	2,493 65		2,493 65

I hereby certify that the above is a true and correct statement of the receipts and expenditure of the Port Warden at Halifax, N.S., during the year 1887.

DAVID HUNTER,
Port Warden.

HALIFAX, N.S., 31st December, 1887.

APPENDIX No. 29.

REPORT OF THE PORT WARDEN FOR PORT HAWKESBURY, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

PORT HAWKESBURY, N.S., 31st December, 1887.

SIR,—I have the honour to submit to you my annual report of the doings of this office, accompanied by a statement of the fees collected by me in the year now closed.

Enclosed please find a list of the vessels which has arrived at this port in a damaged condition and has been repaired under surveys held by Port Warden during the year 1887. They have been repaired and arrived safely at their port of destination.

I have the honour to be, Sir,

Your obedient servant,

D. W. HENESEY,

Port Warden.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

RECEIPTS AND EXPENDITURE of the Port Warden's Office at Port Hawkesbury for the year ending 31st December, 1887.

Date.	—	Fees.	—	Amount.
1887.		$ cts.		$ cts.
May 17	Two surveys held on hull of schooner Willie A.	21 00	Paid Assistant	8 00
do 17	One valuation survey on schooner Willie A for average	5 00		
Aug. 12	Two surveys on hull of schooner Belle	21 00	Paid Assistant	8 00
		47 00		16 00
				47 00
	Amount reverting to Port Warden			31 00

I do hereby certify that the above statement is true and correct.

D. W. HENESEY,

Port Warden.

LIST of Vessels arriving in Distress, and Surveyed by Port Warden at Port Hawkesbury, for the Year ending 31st December, 1887.

Date.	Name of Vessel.	Rig.	Where from.	Where Bound.	Port of Registry.	Description of Cargo.	Master's Name.	Nature of Damage Received.
1887.								
May 17	Willia A.....	Schooner.....	Bridgewater	St. Pierre, Miq'n	Yarmouth...	Lumber	Robt. McDonald.....	Willie A ashore in St. Andrew's Channel, County of Guysboro', N.S., and was repaired at Port Hawkesbury; reshipped her cargo of lumber and proceeded to her port of destination.
Aug. 12	Belle	do	Pictou, N.S	St. Mary's, in Co. of Guysboro'..	Guysboro', N.S.	Coal	John Fraser.....	Schooner Belle was in collision with schooner Edward Blake, of Shelburne, at the northern entrance of the Strait of Canso; was repaired here and proceeded to her port of destination.

D. W. HENESEY,
Port Warden.

PORT HAWKESBURY, 31st December, 1887.

APPENDIX No. 30.

REPORT OF THE PORT WARDEN FOR THE PORT OF PICTOU, N. S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

PICTOU, N.S., 31st December, 1887.

SIR,—I have the honour to herewith submit this my annual report as Port Warden of the port, for the year ending this date.

Received for surveys on vessels	$92 00
Paid fees to assistants	25 00
Net revenue	$67 00

Respectfully submitted.

DANIEL McDONALD,
Port Warden.

Sworn before me at Pictou, this 31st day of December, 1887.

F. WYATT FRASER, *J. P.*

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

APPENDIX No. 31.

REPORT OF THE PORT WARDEN FOR THE PORT OF NORTH SYDNEY C. B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

NORTH SYDNEY, C.B., 5th January, 1888.

SIR,—The undersigned Port Warden of North Sydney, Cape Breton, begs to report as follows:—

Surveys held during the past season:

Seven steamships.

Eleven sailing vessels.

Four steamships arrived in the month of May, having sustained damage by ice. Three steamships arrived with general cargo, to which were granted certificates of seaworthiness. The sailing vessels were more or less damaged and required repairs, which were done in this port, and certificates granted. The fees received were as follows:—

Surveys, &c	$210 50
Office expenses	50 00
Net receipts	$160 50

I have the honour to be, Sir,

Your obedient servant,

DANIEL McKAY,

Port Warden.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

APPENDIX No. 32.

REPORT OF THE PORT WARDEN FOR THE PORT OF YARMOUTH, N. S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

YARMOUTH, N.S., 31st December, 1887.

SIR,—I now have the honour to make my report as Port Warden, for Yarmouth, N.S., for the past year ending 31st December, 1887.

I have been called on to hold surveys on vessels and cargo twelve times.

The amount of fees received from the above is.....	$139 00
I have paid out for assistance.....	59 00
Net amount.....	$80 00

I have the honour to remain,

Yours obediently,

EBENEZER SCOTT,

Port Warden.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

APPENDIX No. 33.

REPORT OF THE PORT WARDEN FOR PRINCE EDWARD ISLAND, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

PORT WARDEN'S OFFICE,
CHARLOTTETOWN, 31st December, 1887.

SIR,—I have the honour to submit my annual report of the business of my office during the past season.

I regret to say that the shipment of grain from the island the past season has been small compared with previous years. The principal trade has been in potatoes shipped to American markets, which we have no control over.

I am glad to state that the few vessels that loaded cargoes of grain for foreign ports have arrived in safety.

In my previous reports I called the attention of the Department to the advisability of having vessels loading cargoes of potatoes and oats, in bulk, bound to North American ports provided with dunnaged and shifting boards, as many of these vessels are loaded without either, seriously endangering the vessels and the lives of those on board. I have spoken to the agent of the Department here, Mr. Lord, on the matter, and he is of opinion that something should be done to obviate the danger that exists as to the reckless manner such cargoes are shipped.

I may here remark an instance that took place on the 7th instant. The schooner "Winnie D," loaded a cargo of oats at the Port of Georgetown, for Halifax, N.S., and was driven on her beam ends off Shuttin Island; the hatches came off and part of the cargo floated out of her, the crew barely escaping with their lives. The vessel was taken in tow by the steam tug "O. C. Whitney," while in this state and towed into Halifax. I am confident if the vessel was provided with shifting boards this would not have occurred.

I have the honour to be, Sir,

Your obedient servant,

H. P. WELSH,
Port Warden.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

RECEIPTS and Expenditure of the Port Warden's Office, P.E.I., Year ending 31st December, 1887.

DR.	$ cts.	CR.	$ cts.
To Fees derived from grain-laden vessels	185 00	By Commission to deputies	79 50
Surveys of hatches	15 00	Expense of office	24 50
Other surveys	49 00	Balance	145 00
	249 00		249 00

I hereby certify that the above is a correct statement.

H. P. WELSH,
Port Warden.

CHARLOTTETOWN, 31st December, 1887.

APPENDIX No. 34.

REPORT OF THE PORT WARDEN FOR THE PORTS OF VICTORIA AND ESQMIMALT, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

RECEIPTS and Expenditures of the Port Warden for the Ports of Victoria and Esquimalt from the 1st January, to 31st December, 1887.

Survey on hatches and damaged goods	$370 00	
Surveys on vessels	112 00	
		$482 00

Contra.

To Amount paid carriage hire and labor	$ 22 50	
Amount paid for stationery	10 00	
do rent	120 00	
		152 50
Net proceeds		$329 50

W. R. CLARKE,
Port Warden.

VICTORIA, B.C., 4th January, 1888.

APPENDIX No. 35.

STATEMENT showing results of certain Returns respecting Shipping and Discharging of Seamen, received by the Department of Marine in accordance with the provisions of Chapter 74, Consolidated Statutes of Canada, from Shipping Masters throughout the Dominion, for the half years ended 30th June and 31st December, 1887.

QUEBEC.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.			For Half-year ended 31st December, 1887.			Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Amount.	Seamen Shipped.	Seamen Discharged.	Amount.			
					$ cts			$ cts.			$ cts
Escoumains	Bonaventure	John E. Barry					No returns				
Gaspé	Gaspé	*Jos. Eden*	26	10	16 00	18	28	17 40	44	38	33 40
Magdalen Islands	Gaspé	J. B. F. Painchaud					No returns				
Montreal	Montreal	*Henry McKay*	216	496	256 80	681	1,260	718 50	897	1,756	975 30
New Carlisle	Bonaventure	P. C. Beauchesne	10	5	6 50						
New Richmond	Bonaventure	R. W. H. Dimock					No returns				
Percé	Gaspé	W. Flynn				2	6	2 80			
Quebec	Quebec	*B. Trudel*	285	84	170 50	513	195	327 00	798	279	497 50
Rimouski	Rimouski	P. L. Gauvreau					No returns				
St. John's	St. John's	E. D. Philips					No returns				
Sorel	Richelieu	Joseph Mathieu					No returns				
Three Rivers	Three Rivers	A. A. Lantier					No returns				

NOTE.—Names printed in italics are Shipping Masters appointed under the Act, the others the Collectors of Customs who act as Shipping Masters.

STATEMENT showing certain Returns respecting Shipping and Discharging Seamen, &c.—*Continued.*

NEW BRUNSWICK.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.			For Half-year ended 31st December, 1887.			Total Seamen Shipped	Total Seamen Discharged	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Amount	Seamen Shipped.	Seamen Discharged.	Amount			
					$ cts.			$ cts.			$ cts.
Alma	Albert	Robert Wright					No returns				
Bathurst	Gloucester	W. J. O'Brien					No returns				
Buctouche	Kent	R. Douglas					No returns				
Chatham	Northumberl'd	*J. J. Brown*	15	7	9 60						
Cocagne	Kent	A. K. Dysart					No returns				
Dalhousie	Restigouche	W. Montgomery					Nil.				
Dorchester	Westmoreland	Walter Dobson	25	21	18 80	28	25	21 50	53	46	40 30
Fredericton	York	A. F. Street		Nil.		1		0 50	1		0 50
Grand Manan	Charlotte	T Wooster	25	27	2 06						
Harvey	Albert	W. J. Reid	4	1	2 30		No returns				
Hillsborough	Albert	John Wallace	66	13	36 90	16	18	13 40	82	31	50 30
Lepreaux	Charlotte	G. K. Hanson					No returns				
Moncton	Westmoreland	J. W. Binney					do				
Musquash	St. John	A. T. Dunn					do				
New Bandon	Gloucester	F. J. Foley					do				
Newcastle	Northumberl'd	Thos. Cummen									

North Joggins	Westmoreland	Rufus C. Ward					No returns				
Quaco	St. John	J. Carson				21	22	17 10			
Richibucto	Kent	John Rusk					No returns				
Rockport	Westmoreland	R. C. Ward	11	1	5 80	1	7	2 60	12	8	8 40
Sackville	Westmoreland	W. C. Milner							35	39	18 20
St. Andrews	Charlotte	*Samuel Billings*					No returns				
St. George	Charlotte	James McKay	10	1	5 30	5	5	4 00	15	6	9 30
St. John	St. John	*W. H. Purdy*	1,707	1,068	1,173 90	2,203	1,632	1,591 10	3,910	2,700	2,765 00
St. Stephens	Charlotte	H. Webber	4	4	3 20		4	1 20	4	8	4 40
Shediac	Westmoreland						No returns				
Shippegan	Gloucester	Henry A. Sormany					Nil.				

NOVA SCOTIA.

Advocate	Cumberland	James Ward		Nil.		20		10 00	20		10 00
Amherst	Cumberland						No returns				
Annapolis	Annapolis	A. Fullerton	50	58	42 40	50	40	37 00	100	98	79 40
Antigonish	Antigonish	R. Grant						Nil.			
Apple River	Cumberland	J. W. Ward				4	4	3 20			
Arichat	Richmond	*D. O'C. Madden*				58	27	37 10			
Aspey Bay	Victoria	D. McDonald					No returns				
Baddeck	Victoria	L. G. Campbell	17		8 50	5	6	4 30	22	6	12 80
Barrington	Shelburne	D. Sargent	30	12	18 60	12	2	6 60	42	14	21 20
Bayfield	Antigonish	E. G. Randall		2	0 60						

STATEMENT showing certain Returns respecting Shipping and Discharging Seamen, &c.—*Continued.*

NOVA SCOTIA—*Continued.*

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.			For Half-year ended 31st December, 1887.			Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Amount.	Seamen Shipped.	Seamen Discharged.	Amount.			
					$ cts.			$ cts.			$ cts.
Beliveau Cove	Digby	J. V. Stuart	51	21	31 80	23	33	21 40	74	54	53 22
Bear River	Digby	*T. H. Miller*	92	67	66 10	81	93	68 40	173	160	134 50
Beaver River	Colchester	R. Perry				No returns					
Bridgetown	Annapolis	S. S. Ruggles				do					
Bridgewater	Lunenburg	*J. H. Wade*	39	33	29 40	64	35	42 50	103	68	106 00
Caledonia	Cape Breton	*J. J. Campbell*					No returns				
Canada Creek	King's	S. W. Rawling		No return.		6	4	4 20			
Canso	Guysboro'	J. W. Young	13	3	7 40	5	2	3 10	18	5	10 50
Cape Sable Island	Shelburne	*Seth Smith*	24	10	15 00	20	12	13 60	44	22	28 60
Clementsport	Annapolis	G. F. Ditmars	39	28	27 90	54	58	44 40	93	86	72 30
Cornwallis	King's	E. Rand	12	8	8 40						
Cow Bay	Cape Breton	W. W. Bown	18	5	10 50	19	15	14 00	37	20	24 50
Digby	Digby	Botsford Viets	10		5 00						
Freeport	Digby	Isaiah Thurber	3	3	2 40	4	3	2 90	7	6	5 30
French Cross	King's	J. E. Orpen					No returns				
Great Bras d'Or	Cape Breton	D. Campbell				3	3	2 40			
Guysboro'	Guysboro'	J. A. Tory	28		14 00	18	2	9 60	46	2	23 60

Guysboro'	Guysboro'	J. A. Tory	28		14 00	18	2	9 60	46	2	23 60
Halifax	Halifax	*Asa B. Bligh*	1,241	912	894 10	1,410	1,021	1,011 30	2,651	1,933	1,905 40
Hantsport	Hants	J. W. Lawrence				No returns					
Harbour au Bouche	Antigonish	E. Corbet	5		2 50						
Harbourville	King's	Chas. E. Morris				8	9	6 70			
Horton	King's	J. B. Davison					No returns				
Issac Harbour	Guysboro'	J. D. Giffin	31	1	15 80	28	6	15 80	59	7	31 60
Joggins	Cumberland	J. Moffatt	8		4 00	12	4	7 20	20	4	11 20
Jordan Bay	Shelburne	M. D. McKenzie	5	4	3 70	7	6	5 30	12	10	9 00
Lingan	Cape Breton	*Matthew Roche*					No returns				
Little Bras d'Or	Cape Breton	M. McDonald					No returns				
Little Glace Bay	Cape Breton	*J. J. Campbell*	41	22	27 10	69	30	43 50	110	52	70 60
Liscomb	Guysboro'	James Hemlow					No returns				
Liverpool	Queen's	*W. A. Kenney*	239	107	151 60	197	133	138 40	436	240	290 00
Lockeport	Shelburne	George Stalker				222	180	165 00			
Londonderry	Colchester	Robert Dill					No returns				
Louisburg	Cape Breton	*W. H. McAlpine*				17	24	15 70			
Lunenburg	Lunenburg	*William Young*	364	375	294 50	396	440	330 00	760	815	624 50
Mahone Bay	Lunenburg	B. Zwicker				15	8	9 90			
Main à Dieu	Cape Breton	George Rigby				No returns					
Maitland	Hants	Alex. Roy					No returns				
Margaree	Inverness	James Ross					do				
Margaretsville	Annapolis	D. W. Landers	5		2 50						
Merigomish	Pictou	Robert Murray					No returns				
Meteghan	Digby	B. A. Robichau					do				

STATEMENT showing certain Returns respecting Shipping and Discharging Seamen, &c.—*Continued.*

NOVA SCOTIA—*Concluded.*

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.			For Half-year ended 31st December, 1887.			Total Seamen Shipped.	Total Seamen Dis-charged.	Amount.
			Seamen Shipped.	Seamen Dis-charged.	Amount.	Seamen Shipped	Seamen Dis-charged.	Amount.			
					$ cts			$ cts.			$ cts
North Sydney	Cape Breton	*James Armstrong*	86	66	62 80	152	69	96 70	238	135	159 50
Parrsborough	Cumberland	A. S. Townshend	67	56	50 30	200	150	145 00	267	206	195 30
Pictou	Pictou	*M. Campbell*	61	24	37 70	110	76	77 80	171	100	115 50
Port Acadie	Digby	A. Bourneuf	22	15	15 50	6	15	7 50	28	30	23 00
Port Caledonia	Cape Breton	J. J. Campbell					No returns				
Port Gilbert	Digby	R. Sanderson	86	33	52 90	134	163	115 90	220	196	168 80
Port Greville	Cumberland	James Kerr				7	8	5 90			
Port Hawkesbury	Inverness	*John Stapleton*	16	10	11 00	15	16	12 30	31	26	23 30
Port Hood	Inverness	E. D. Tremain					Nil.				
Port la Tour	Shelburne	J. W. Taylor	10	1	5 30	12	5	7 50	22	6	12 80
Port Lorne	Annapolis	W. Graves		Nil.			Nil.				
Port Medway	Queen's	E. E. Letson					No returns				
Port Mulgrave	Guysboro'	D. Murray, jun	13	1	6 80	10	6	6 80	23	7	13 60
Port William	King's	G. S. Lockwood	6	2	3 60	15	6	9 30	21	8	12 90
Port Williams	Annapolis	W. Graves					No returns				
Pubnico	Yarmouth	P. S. D'Entremont	63		31 50	32		16 00	95		47 50

Pugwash	Cumberland	J. H. Black		No returns		6		3 00			
Ratchford's River	Cumberland	F. F. Hatfield					No returns				
Richmond	Richmond	A. McDonald					No returns				
St. Ann's	Cape Breton	D. McAuley	4		2 00	5	1	2 80	9	1	4 80
St. Mary's River	Guysboro'	A. F. Falconer				No returns					
St. Peter's	Richmond	Donald Urquhart		Nil.		3		1 50	3		1 50
Sheet Harbour	Halifax	M. Macfarlane				No returns					
Shelburne	Shelburne	W. W. Atwood	58	9	31 70	45	12	26 10	103	21	57 80
Ship Harbour	Halifax						No returns				
Sydney	Cape Breton	*R. McDonald*		No returns		29	37	25 60			
Thorne's Cove	Annapolis	E. H. Porter	20		10 00	8	6	5 80	28	6	15 80
Truro	Colchester						No returns				
Tatamagouche	Colchester	J. A. G. Campbell		Nil.			Nil.				
Wallace	Cumberland	Chas. D. Kerr					No returns				
Walton	Hants	A. McN. Parker	6	5	4 50	7	5	5 00	13	10	9 50
Weymouth	Digby	N. B. Jones					No returns				
Windsor	Hants	H. W. Dimock	17	18	13 90	93	44	59 70	110	62	73 60
Wilmot	Annapolis	G. B. Reed					No returns				
Yarmouth	Yarmouth	W. H. Moody	303	263	230 40	368	306	275 80	671	569	506 20

PRINCE EDWARD ISLAND.

Alberton	Prince	John P. Braman				5	4	3 70			
Cascumpec	Prince	James F. White					No returns				
Charlottetown	Queen's	*H. W. Mutch*				59	44	42 70			

STATEMENT showing certain Returns respecting Shipping and Discharging Seamen, &c.—*Concluded.*

PRINCE EDWARD ISLAND—*Concluded.*

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.			For Half-year ended 31st December, 1887.			Total Seamen Shipped.	Total Seamen Discharged.	Amount.
			Seamen Shipped.	Seamen Discharged.	Amount.	Seamen Shipped.	Seamen Discharged.	Amount			
					$ cts.			$ cts.			$ cts.
Crapaud	Queen's	S. J. B Leard				8		4 00			
Georgetown	King's	Charles Owen	12	13	9 90	48	29	32 70	60	42	42 60
Malpeque	Prince	J. M. MacNutt		Nil.			Nil.				
Montague Bridge	King's	J. M. Aitken				13	17	11 60			
Murray Harbour	King's	H. J. Brehaut				4		2 00			
Pinette	Queen's	A. Murchison		Nil.			No returns				
Port Hill	Prince	W. Hopgood					Nil.				
St. Peter's Bay	King's						No returns				
Souris	King's	Michael J. Foley		Nil.			No returns				
Summerside	Prince	*Jacob Schurman*	9		4 50	43	25	29 00	52	25	33 50
Tignish	Prince	Geo. Conroy					No returns				
West Cape	Prince	Chas. Stewart					No returns				

BRITISH COLUMBIA.

Burrard Inlet	N. Westminst'r	Isaac Johns.	.....	No returns	.....	76	51	15 30	76	51	15 30
New Westminster	N. Westminst'r	John G. Auld	.....	Nil.	.....	.....	Nil.	.....	.....	.....	.....
Vancouver	.....	Isaac Johns.	.....	.....	.....	.....	.....	.....	103	110	84 50
Victoria	Victoria	W. Hamley	.....	127	23	70 40	54	39	38 70	181	62	109 10

APPENDIX No. 36.

REPORT ON THE MONTREAL GOVERNMENT HARBOUR POLICE FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

OFFICE MARINE DEPARTMENT,
MONTREAL, 31st December, 1887.

SIR,—I have the honour to transmit a report on the Government Harbour Police of Montreal for the term commencing the 1st January and ending 31st December, 1887.

A return is hereto annexed showing the number of persons arrested, setting forth the nature of offences, as also the number of seamen placed on board their vessels after temporary confinement and those who received protection, making a total for the 12 months of 615.

The Force, as last year, consisted of thirty-nine, including the Inspector, who is also agent of the Marine Department, Chief and Staff. The principal part of the constables were taken on the 2nd May and additions made thereto from time to time as necessity demanded by the arrival of vessels.

Fifteen persons were found drowned and inquests held on the bodies and 29 rescued from a similar fate.

During the months of May and June there were several attempts at strikes and interference at Hochelaga and Windmill Point, but through the timely interference of the police and the good sense of the labourers they were merely incipient.

There were 30 accidents to vessels in port by collisions or otherwise as detailed in the usual marine reports sent to the Department.

The United States corvette "Galena" arrived in port the 22nd July and left 29th of same month. The French frigate "La Minerve," bearing the flag of Rear Admiral Vignes, commanding the North American squadron, the 5th and left the 25th August, and Her Majesty's ship "Tourmaline" the 15th, leaving 25th September.

As each of these vessels were thrown open to the public daily at certain hours it became an imperative duty to make arrangements for the safety from drowning of the vast crowds who throng the wharf at which vessels lie on these occasions, people in the rear pressing on those in front, so that nothing but the strongest barriers and the energy of the police prevented numbers from being precipitated into the river. The experience gained by the crushing at the American corvette and having been advised that extra precautions would be required for the French frigate, the whole frontage of the wharf ten feet from the river (except the railed gangway) was barricaded by a fencing of planks nailed firmly to cattle tressles secured to the wharf by spikes and for the free use of these, the lumber, labour, &c., I am indebted to Captain Bailey, the Shipping Manager of Messrs. Refords & Co.'s various lines, who was most courteous and obliging in his efforts and practical assistance. The crowds, largely French Canadian, to visit this vessel were unprecedented. People—men, women and children—poured on to the dock, not only from the city but all its surroundings, by the thousands. It is a matter of congratulation that not a single serious accident occurred. The Department will, no doubt, be pleased to learn that the efforts made for the safety of the immense number of visitors was so appreciated by the Admiral and his officers for the perfect arrangements and the tact and efficiency of the police that a letter of thanks was published and to-day I have received a letter from the Vice-Consul of France stating that so favorable had the report of the Admiral been

to his Government that he had the pleasure to convey the "thanks of the French Government and a" (very liberal) "souvenir to be divided among the Force."

The "Tourmaline" had similar arrangements, but of course though the crowd of visitors was very large, especially Sundays, like the "Galena" there was not the pressure from the suburbs. The thanks of the commanders and officers of both these vessels were received and most complimentary.

The building of the dyke on Commissioners Street has made the street one sea of muddy clay, if I may use the expression, and the wharves are not much better. Each patrol has to change boots, &c., on coming to the station.

The Board of Health having condemned the sewer under the floor of the station the latter had to be taken up to place in a new, and cement the old drain pipes.

I have the honour to be, Sir,

Your obedient servant,

H. St. A. ORMOND,

Agent Marine and Inspector Government Harbour Police.

Wm. Smith, Esq.,
Deputy Minister of Marine,
Ottawa.

RETURN of Prisoners arrested by the Montreal Harbour Police from the 1st January, 1887, to the 30th September, 1887.

—	Drunk and disorderly on the wharves.	Fighting on the wharves	Suspicion of larceny.	Broaching ship's cargo.	Loitering.	Robbing.	Carters impeding on the wharf.	Insulting the police.	Fireing off a revolver.	Suspicion of committing suicide.	Interfering with the police.	Assault and battery.	Furious driving on the wharf.	Resisting the police.	Throwing stones.	Conveying liquor on board ship	Damaging property on the wharf.	Sailors deserting their ship.	Sailors absent without leave.	Sailors refusing duty on board ship.	Sailors drunk and disorderly on board ship.	Sailors suspicion of deserting.	Sailors assaulting their officers.	Sailors abusing their officers.	Sailors assisted on board their vessel.	Stowaways.	Protection.	Total.
1887.																												
January	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	4
February	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4
March	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2
April	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	5
May	14	4	1	2	2	2	2	2	1	.....	3	1	.....	4	.....	.....	.....	9	3	3	3	3	.....	.....	20	.....	4	83
June	16	5	.....	.....	4	.....	2	1	.....	2	2	4	1	2	.....	.....	.....	6	20	7	4	1	1	.....	35	.....	8	131
July	10	5	1	.....	3	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	.....	5	10	4	2	2	2	3	25	10	10	95
August	17	6	2	.....	5	.....	1	1	.....	.....	.....	1	.....	2	2	2	3	5	10	5	5	.....	1	.....	30	.....	6	104
September	10	2	1	.....	3	.....	2	1	.....	1	2	.....	2	2	.....	.....	.....	4	6	4	2	2	.....	2	26	6	10	88
	67	22	5	2	21	2	7	5	1	3	7	8	3	11	2	2	3	29	49	23	16	8	4	5	136	16	49	516

GEORGE MURPHY,
Chief G. H. P.

H. ST. A. ORMOND, Esq.,
Agent Marine and Fisheries and Inspector of Police.

APPENDIX No. 37.

REPORT ON THE QUEBEC RIVER POLICE FORCE FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1886.

SHIPPING AND RIVER POLICE OFFICES,
QUEBEC, 31st December, 1887.

SIR,—I have the honour to submit for your consideration and approval my tenth annual report as Chief of the Government River Police at this port for the season just closed.

To this, my report, is appended a statement giving the number of persons arrested by the men under my command; the various offences with which they were charged and the nationality of the said offenders.

On the 1st of May the Force, composed as follows, resumed its ordinary duties, viz.:—

The Chief, who is also Shipping Master, at a salary of fifteen hundred dollars per annum for joint offices.

A Deputy Chief, at two dollars and forty cents per day; five coxswains at one dollar and ninety cents per day, and twenty-seven constables at one dollar and fifty cents per day, with two engineers at fifty dollars per month each for the season.

From the above rate of wages, twenty-five cents per day are monthly retained as a guarantee of their good conduct, which, if proved satisfactory, is duly paid to them at the end of the season.

The season's usual work has been performed and nothing of any serious importance has occurred.

The crimps have been very busily at work, and, I must say, with great success, for, ever since the change in the wording of the Act respecting the offence of going on board without permission, this offence has been on the increase and the consequence of it has been an increase of desertion.

The former wording of the Act was as follows: "Going on board without the permission and consent of the master, or the person in charge, &c.," while it now reads, "Without the permission and against the will, &c., &c.," so that to constitute the offence the crimps have to refuse to obey the order to leave the ship.

It will, therefore, be readily understood that the crimps simply run the risk of being ordered out of the ship, while he has great chances of doing what he calls good work before being detected by either master or mate, unknown to either of them, and specially protected by part of the crew and the labourers.

I therefore say that this change has given them a wide field of operation and placed them almost out of our reach.

We have ever since this change refrained from making arrests for going on board, as fruitless arrests only serve to encourage law breakers.

From the number of arrests for desertion must not be estimated the number of desertions, for in but very few cases are we successful in making their arrests, and our present want of success as compared with former years is accounted for by the fact that after the visits of the crimps on board, the seamen are well educated on the mode of proceeding to leave the ship and evade the police.

It will also be noticed that the cases of prosecution and consequent conviction are much less than formerly. This is due to the fact that the crimps are always on the alert to help the sailors to beat the masters out of their rights, and for that purpose they secure the services of a lawyer to defend the prisoners and submit the

captain to the inconvenience of a trial, in which comes into play the putting off of the cases, &c., thus causing expenses and loss of time and in many cases to finally have the case go against them.

These cases have repeated themselves so often that masters do not now even appear at court, in which cases the seamen are ordered back to the station with instructions to notify the masters, and on a second default to appear on the part of the captains, the men are ordered to be put on board, thus entailing upon us an extra amount of work without any satisfactory results.

Despite all these disadvantages, I am happy to say that we have managed to give general satisfaction to all interested in the shipping of the port.

Trusting that the above will meet with approval.

I remain, Sir,

Your obedient servant,

BENJ. TRUDEL,

Chief of River Police and Shipping Master.

W. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

STATEMENT of Persons arrested by the River Police, the various offences of which they were charged, and their Nationality, during the Season of Navigation, 1887.

Offence.	No.	Nationality.	No.
Desertion	27	England	61
Absence without leave	58	Ireland	73
Refusal of duty	20	Scotland	49
Refusal to proceed to sea	13	Wales	7
Neglecting to join their ships	39	Canada	39
Assault on board ships	9	Newfoundland	2
Drunk on wharf, ships and streets	61	West Indies	4
Impeding in the streets	27	United States	13
Swimming at Queen's wharf	19	France	10
Protection for the night, &c	52	Norway	34
Thefts on board	3	Sweden	27
Loitering	1	Germany	20
Cutting and wounding	1	Greece	6
Stowaways	33	Belgium	9
		Holland	4
		Spain	2
		Finland	3
	363		363
Seamen and their effects from boarding houses to station, and from station to their ships	604		
	967		

APPENDIX No. 38.

LIST of Persons to whom Rewards have been granted by the Government of Canada, for the Year 1887, for gallant and humane services rendered in Saving Life from Shipwrecked Canadian Vessels, or by British or Foreign Governments for similar services rendered by Canadian Vessels in Saving Life from Shipwrecked British and Foreign Vessels for same period.

Names and Designations of Persons.	Nature of Service Rendered.	Date of Service Rendered.	Description of Reward.
Capt. Joseph Côté, Télesphore Roy, Elzéar Bernier, Charles Blanchet, Antoine Miville, Télésphore Pelletier.	Rescuing, at the risk of their lives, Félix Pelletier, a fisherman, from drowning, at Cape Chatte, P.Q.	Oct. 22, 1885	$10 to Captain Côté, and $8 to each of the men.
Frederick Gerhand and Gustaf Lund, late seamen of the ship "Belvidere," of Windsor, N S.	For services to the shipwrecked crew of the ship "Maid of Aln," of North Shields.	Sept. 24, 1886	£2 10s to each of the seamen, by the British Government.
Capt. D. McLeod, of the "C. N. Carter"; Capt. Wm. Babb, of the Government Life-boat, at Goderich, and Neil McIver, John McKay and John McLean.	Rescue of five men and female cook of the schooner "E. W. Rathbun," wrecked near Goderich Harbor, Ont.	Oct. 20, 1886	$10 to Capt. McLeod; $5 to Capt. Babb, and $3 to each man of the rescuing boat.
James Lewis, master; Geo. Brown Terrill, 1st mate; Joseph Arnoldson, Chas. Brown, N. Nelson and John Johnson, seamen of the American steamer "Rio Grande," of New York.	Services in rescue of shipwrecked crew of the barque "Hants County," of Windsor, N.S.	Nov. 19, 1886	A binocular glass to master; gold watch to mate; $15 to each of the seamen.
Capt. C. H. Wasson, master; J. H. Fraser, mate of the barque "Latona," of St. John, N.B.	For humane services in rescuing the crew of the American schooner "Sarah H Baice."	Nov. 21, 1886	A silver vase to captain and gold watch and chain to mate, by the United States Government.
Capt. R. F. Hardwick, master; Frank Sullivan, 1st officer; Charles Henderson, 2nd officer; L. J. Frosberg, Henry Brady, F. Parkinson, Philip Townshend and Wm. Percival, seamen of the American ship "Farragut," of Boston, Maine.	Rescue of shipwrecked crew of barque "Embla," of Pictou, N.S.	Jan. 18, 1886	A binocular glass to master; a gold watch to 1st officer; a silver watch to 2nd officer, and $15 to each seaman.
John J. Donovan and John D. McNeil.	Saving life at Smoky Cape.....	June —, 1886	A binocular glass to each man.
Capt. W. H. Bennett, master; Arthur S. Wilson, 1st mate; Fred. Wickwire, 2nd mate of the American brigantine "Screamer," of Portland, Maine.	Services in rescue of shipwrecked crew of schooner "Orient," of Lunenburg, N.S.	Aug. 26, 1886	A binocular glass to master and silver watch to each mate.
Capt. F. C. Timpson, master; Robert Duncan, coxswain; John Cameron, Colin Kerr, John McKay, Donald McAulay, Wm. McLure and John Cook, seamen of the British steam yacht "Mohican."	Gallant rescue of the shipwrecked crew of the ship "Lillian," of St. John, N.B., 300 miles east of Halifax, N.S.	Aug. 27, 1886	A letter of thanks and a binocular glass to master; a silver watch to coxswain, and $15 to each seaman.

LIST of Persons to whom Rewards have been granted by the Government of Canada, &c.—*Concluded.*

Names and Designations of Persons.	Nature of Service Rendered.	Date of Service Rendered.	Description of Reward.
E. Rooney, Capt. of the Life-boat at Cobourg, Ont., and John McMann, James Duffy, James Hart, Chas. Lavis, Wm. Connors, Thos. Hart and John Lavis.	Rendering assistance to schooner "Pandora," of Port Colborne, Ont.	Nov. 14, 1886	$3 to each.
H. McCullough, Capt. of the Life-boat at Wellington, Ont., and Wm. McCullough, E. B. Bedell, R. C. Reynolds, W. W. Leavens, L. Brown, H. N. Curtlett, B. Palen and Ed. Cleary.	Rescue of the shipwrecked crews of the "Ida Walker" and "Hannah Butler."	Nov. 18, 1886	$15 to captain, and $10 to each of the men.
Isaac K. Doane, keeper; Israel Cunningham, Arthur Cunningham, Carine Nickerson and Alexander Atwood, assistant keepers, Cable Sable Lighthouse.	Service in rescue of the shipwrecked crew of the SS. "Sulina," of Hull, Eng.	Nov. 23, 1886	£5 to light-keeper, and £1 to each assistant light-keeper, by British Government.
Pilot Gossin, of Dunkirk	Gallant rescue of the shipwrecked crew of the vessel "Republic," of Yarmouth, N.S.	Dec. 3, 1886	A gold medal.
Richard Ringk, master; Herman Siebert, 3rd officer; E. Wolter, boatswain; F. Ross, W, Hubner, seamen; H. Hubner, sailmaker; of the German SS. "Fulda."	Rescue of the shipwrecked crew of the ship "Louise M. Fuller," of Yarmouth, N.S.	Dec. 9, 1886	A binocular glass to master; a binocular glass to 3rd officer; $10 to boatswain, and $8 to each of the other men.
Bernard Connors, Mark Duggan, Michael McGrath, Wm. McGrath, Wm. Fordan and James Scott, of East Dover, N.S.	Rescuing crew of the schooner "C. Graham," of Halifax, N.S.	Jan. 24, 1887	$8 to each man.
Capt. Geo. Ritchie, master of the barque "Bachelors," of Yarmouth, N.S.	Services saving life from the American ship "Saragossa."	March 23, 1887	A gold watch and chain, from the United States Government.
Capt. H. A. Waite, master of the American ship "Tam O'Shanter."	Services to the shipwrecked crew of the barque "Sokoto," of Yarmouth, N.S.	March 25, 1887	A binocular glass.
Capt. J. W. Dunham, of the ship "Favonius," of St. John, N.B.	For services to the shipwrecked crew of the American schooner "George E. Young."	April 3, 1887	A gold medal, from the United States Government.
A. Haitsch, mate; T. Toarensen, C. H. Mainn, John Pratt and T. Hansen, seamen of the barque "Mary Fraser," of Windsor, N.S.	Services in rescue of shipwrecked crew of the brigantine "Elsie Cronan," of Halifax, N.S.	April 4, 1887	Silver watch to mate and $10 to each seaman.
Capt. Joseph Gardner, master; Wm. Brown, 1st officer; Albert Lundell, A. Kilbrie, August Larsen, Hans Anderson and Fred. O. Iversen, seamen of the SS. "Morgan City," of New York.	For humane exertions in the rescue of the shipwrecked crew of the brig "Arthur," of Charlottetown, P.E.I.	July 26, 1887	Letter of thanks to the captain; binocular glass to 1st officer, and $10 to each seaman.
Miss Maria Collins, of Collingwood, Ont.	Rescuing from drowning Mr. Manning Brown and his nephew.	Aug. 15, 1887	A gold locket and chain.
Martin O'Brien, carpenter on the barque "Lizzie C. Troop."	Saving life of Salvator Torres, in Quebec harbour.	Oct. 11, 1887	A silver watch.

APPENDIX No. 39.

LIST of Canadian Certificates of Competency and Service which have been cancelled during the Year ending 31st December, 1887.

COMPETENCY.

No. of Certificate.	Name.	Grade.	Cause of Cancellation.	Date of Cancellation.
				1887.
1898	Levi Putnam	Mate	Passed for higher grade	29th January.
2061	Ingram Troop	do	do	4th February.
2100	Herbert McDougall	do	do	11th do
2068	W. S. Hayes	do	do	11th do
1981	R. Lee	do	do	11th do
81	Wm. McBride	Master, inland	do	24th do
2072	A. H. Durkee	Mate	do	2nd March.
1849	Jos. Thos. Chalifour	do	do	10th do
1780	Z. Lemieux	do	do	10th do
2183	James Betts	do	do	23rd do
2000	Edw. Kennedy	do	do	23rd do
2016	W. P. Harvie	do	do	23rd do
2117	J. E. King	do	do	23rd do
2198	Alfred W. Warner	do	do	4th April.
2138	Joseph Pouliout	do	do	19th do
1863	B. W. Morris	do	do	22nd do
2163	J. S. Osborn	2nd Mate	do	22nd do
1782	William Chas. Heckman.	Master	Washed overboard from the ship "Flavonius" and drowned, 19th November, 1886.	28th do
2044	David R. Williams	Mate	Passed for higher grade	2nd May.
2085	Thomas Bollong	do	do	5th do
2221	Gordon Beattie	2nd Mate	do	5th do
2223	James W. Knox	Mate	do	11th do

LIST of Certificates of Compentency which have been cancelled—*Continued.*

No. of Certificate.	Name.	Grade.	Cause of Cancellation.	Date of Cancellation.
				1887.
2054	Harry Mowatt	Mate	Passed for higher grade	11th May.
2208	John Wm. Carey	do	do	7th June.
2048	Wentworth E Baker	do	do	7th do
1876	Saml. S. Patterson	do	do	7th do
2200	Stuart G. Fulton	2nd Mate	do	11th do
2278	John J. Wren	Mate	do	11th do
2188	Bernard Carland	do	do	11th do
1916	George Urquhart	do	do	15th do
196	John McManus	Master	Died at sea on the 18th March, 1887	25th July.
2069	Jas D. McKenzie	Mate	Passed for higher grade	19th do
2165	James B. Hill	do	do	19th do
2030	James F. Munro.	do	do	22nd do
2222	John S Harris	2nd Mate	do	21st do
2049	Chas. F. Leary	Mate	do	25th do
2126	Geo. C. McLaughlin	do	do	25th do
2284	Silas M. Marsters	2nd Mate	do	8th August.
2318	Budd D. Melvin	do	do	18th do
2119	George M. Reid	Mate	do	18th do
2145	Frank C. Bogart	2nd Mate	do	18th do
2149	Thomas Hy. Helmes	Mate	do	26th do
2220	Alex. D. Faulkner	Mate	do	9th September.
2313	Howard A. Murphy	do	do	19th do
2190	Bliss B. Anderson	do	do	16th do
2116	Marshall Terfry	do	do	5th October.
1629	George W. Grant.	do	do	19th do
2177	Percy E. Crosby	do	do	25th do
2245	Robert Patten	do	do	25th do
2250	Mayor G. Mosher	2nd Mate	do	9th November
2229	Emerson Graves	Mate	do	9th do
2344	Everett E. Thompson	2nd Mate	do	12th do

LIST of Certificates of Competency which have been cancelled—*Concluded*

No. of Certificate.	Name.	Grade.	Cause of Cancellation.	Date of Cancellation.
				1887.
2286	George L. Welsh	Mate	Passed for higher grade	12th November.
1926	Henry Gomes	do	do	1st do 1886.
2154	Blanchard Henry	do	do	1887. 7th March.
1677	John Hofgard	Master	Died at sea of yellow fever, 24th Aug., 1886.	
2013	David A. McRae	Mate	Passed for higher grade	21st do
1857	Enoch A. Forsyth	do	do in 1885	9th November.
1361	Fred. R. Davison	Master	Drowned, 20th Aug., 1886	
364	Joseph Stokes	do	Died of consumption at Cardiff	
2070	Harry H. Cook	Mate	Passed for higher grade	23rd do
2106	Burwell C. Goudey	do	do	23rd do
2288	Andrew J. Simms	do	do	23rd do
2217	Melvin O'Brien	do	do	6th December.
2218	Frank E. Dodge	do	do	6th do
554	William A. Jameison	Master	Died at sea on the 29th Nov., 1887	
2088	Joseph W. Morris	Mate	Passed for higher grade	9th December.
1862	Oscar B. Morris	do	do	9th do
2315	Fred H. Griffith	do	do	9th do
2316	Wallace P. Jeffery	do	do	9th do
		SERVICE.		
1492	Wm. Austin Glass	Mate	Passed for higher grade	8th February.
1610	Henry Pearce	Master, inland	do	19th do
257	W. F. McGiffin	Mate, inland	do	22nd March.
1173	E. Kennedy	Master, inland.	do	23rd do
1261	Neil Campbell	Master	Drowned in Boston Harbor during Winter of 1887.	8th do
1421	Robt. Thompson	Mate, inland	Passed for higher grade	15th April.

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